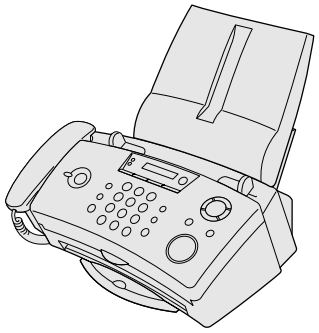
Panasonic



Facsimile
User's Guide

UF-E1

Before operating this product, please read the instructions carefully and save this manual for future use.

English

DZSD001253-2
T01012-2071

Printing Help

Printing Help

Press [HELP] to print a guide showing how to operate this apparatus. It is useful when the user's guide is not available.

1

HELP GUIDE ?

2 to select the items (see below) to print.

DATE & TIME ?

3

* PRINTING *

Items that can be printed by HELP function.

- Set User Parameters ..... DATE & TIME ?
  - LOGO ?
  - TELEPHONE NO. ?
- Register Speed Dialling Numbers ..... SPEED DIAL NO. ?
- Sending and Receiving Documents ..... XMT & RCV ?
- Selecting Functions ..... SELECT FUNC. ?
- Managing Outgoing Messages (OGM) ..... HOW TO SET OGM ?
- Remote Control Code Table ..... RMT CONTROLCODE?
- Set Up Internet Parameters ..... INTERNET SETTING
- Register E-mail Address ..... REGIST.ADDR.LIST
- Sending and Receiving Fax via E-Mail ..... RECEIVING E-MAIL

Contents

PRINTING HELP

■ Printing Help 2
Printing Help 2

GETTING TO KNOW YOUR APPARATUS

■ Safety Information 6
■ Main Apparatus and Accessories/Supplies 9
Supplies 9
■ External View 10
■ Control Panel 11

INSTALLING YOUR APPARATUS

■ Connecting the Telephone Line Cord, and Power Cord, Printer Interface Cable 12
■ Installing the Ink Cartridge 13
■ Replacing the Ink Cartridge 15
■ Installing/Replacing Recording Paper 16
■ Adjusting Volume 17
Ringer Volume 17
Speakerphone Volume 17
Handset Volume 17
■ User Parameters 18
Setting the Date and Time 18
Setting Your NAME 19
Entering Characters 20
Setting Your ID Number (FAX Telephone Number) 21
■ Managing Outgoing Messages (OGM) 22
To Record TAM OGM 22
To Playback TAM OGM 23
To Erase TAM OGM 23
To Record F/T First OGM 24
To Record F/T Last OGM 24
To Playback F/T First OGM 25
To Playback F/T Last OGM 25
To Erase F/T First OGM 26
To Erase F/T Last OGM 26
■ Speed Dialling Numbers 27
Registering an Abbreviated Dialling Number 27
Registering Directory Dialling Number 28
Changing Speed Dialling Numbers 29
Erasing Speed Dialling Numbers 30

BASIC FEATURES

■ Telephone 31
Directory Search Dialling 31
Direct Dialling 32
Abbreviated Dialling 32
Manual Number Dialling 32
■ Loading Documents 34
Documents You Can Send 34
How to Load Documents 35
Setting Contrast, Resolution and Halftone 35
■ Sending Documents 36
Multi-station Transmission (Broadcasting) 37
■ Receiving Documents 38
MANUAL RCV Mode (Factory Setting) 40
FAX/TEL Auto Switching Mode 41
Change Setting back to TEL Mode 41
Receiving in the FAX/TEL Mode 42
Setting Silent Reception for the FAX/TEL, FAX/TAM, FAX Mode 42
Setting the Ring Counter to Answer a Call 43
Setting the Ring Counter for FAX/TEL Mode 43
FAX/TAM Mode 44
FAX Mode 44
Receiving Documents Using a Colour Cartridge 45
Distinctive Ring Detector (DRD) 46
■ Digital Telephone Answering System 48
Setting the TAM (Before you leave home or office) 48
Resetting the TAM (After you have returned home or to the office) 48
Buttons Used to Activate Functions for Messages 49
Erase all ICMs 49
Erase one ICM at a Time 49
■ Making Copies 50
Enlargement Copy 51
■ Printer Mode 52

ADVANCED FEATURES

■ Timer Controlled Communications 53
Deferred Transmission 53
■ Remote Reception/Setting TAM from Remote Station 55
Remote Reception 55
Setting TAM from Remote Station 55
■ Memo/2Way Recording 56
About Memo/2Way Recording 56
■ Voice Message Transfer 57
Setting the Voice Message Transfer 57
Operation of Voice Message Transfer 57
■ Remote Function 58
About Remote Function 58
Registering the Remote Control Password 59
■ Caller ID 60
Caller ID List 60
Blacklist 63
Changing the Caller's Telephone Number in Blacklist 64
Erasing the Telephone Number in Blacklist 65
Selecting Caller Type 66

INTERNET COMMUNICATION

■ INTERNET COMMUNICATION 67
Internet Overview (Fax via Internet) 67
Internet Overview (Message via Internet) 68
Printable Characters (ISO-8859-1) 68
■ Sending/Receiving Documents via Internet 69
Sending Documents 69
Multi-station Transmission 70
Receiving Documents 71
i-FAX Error Messages 72
■ Programming Internet Parameters 73
Configuring Network Connection 73
Entering Characters 74
Registering Mail Setting 75
Registering Directory Search 76
Editing Directory Search 76
Registering ABBR 77
Editing ABBR 77
Registering Sender Name and Subject 78
Receive Setting 79
■ E-mail Address History 80
Registering E-mail Address 80
Deleting E-mail Address 80

PROGRAMMING YOUR APPARATUS

■ Programming Your Apparatus 81
Setting Fax Parameters 81

LIST AND JOURNAL

■ Lists and Journal 85
Journal and Lists 85
Communication Journal (COMM. JOURNAL) 85
Power Failure Report 85

MAINTENANCE AND TROUBLESHOOTING

■ Maintenance 86
Cleaning the Document Scanning Area 86
■ Troubleshooting 87
Information Codes 89
Clearing Recording Paper Jam 93
Cleaning the Print Head 94
Cleaning the Ink Cartridge Contact 94
Removing Dried Ink from the Nozzle of the Ink Cartridge 95
Cleaning the Ink Spillage Recess 95
Clearing a Document Jam 96
Adjusting the Automatic Document Feeder (ADF) 96
Checking the Telephone Line 97

APPENDIX

■ Specifications 98
■ Paper Specifications 100
■ Glossary 101
■ Index 104

Safety Information

⚠WARNING denotes a potential hazard that could result in serious injury or death.

- THE APPARATUS SHOULD NOT BE EXPOSED TO RAIN OR ANY MOIST ENVIRONMENT TO PREVENT FIRE OR SHOCK.
- THE APPARATUS MUST BE PROPERLY GROUNDED TO MINIMIZE DAMAGES AND SHOCK.
- THE APPARATUS CONTAINS HAZARDOUS RADIATION. IF YOU DO NOT FOLLOW THESE INSTRUCTIONS STRICTLY SPECIFIED HEREIN, YOU MAY EXPOSE YOURSELF TO HAZARDOUS RADIATION.
- THE SOCKET SHOULD BE FOUND WITHIN CLOSE PROXIMITY TO THE APPARATUS.
- THE APPARATUS SHOULD BE INSTALLED IN A SPACIOUS OR WELL-VENTILATED ROOM SO AS TO MINIMIZE THE AMOUNT OF OZONE IN THE AIR. AS OZONE IS HEAVIER THAN AIR, IT IS RECOMMENDED THAT AIR AT FLOOR LEVEL BE VENTILATED.
- THE POWER SUPPLY CORD SHOULD BE CONNECTED TO ORDINARY AC OUTLET PRIOR TO TELEPHONE LINE CORD WHEN INSTALLING FOR USE.
- THE TELEPHONE LINE CORD SHOULD BE UNPLUGGED BEFORE DISCONNECTING POWER SUPPLY CORD FROM AC OUTLET WHEN DISASSEMBLING FOR FUTURE USE.

⚠ CAUTION denotes hazards that could result in minor injury or damage to the apparatus.

1. When you know that a thunderstorm is coming, we recommend that you:
   1) Unplug the telephone line cord from the phone jack.
   2) Turn off the power and unplug the power supply cord from AC outlet.
2. The apparatus may not necessarily provide an effective transfer of a call to or from a telephone connected to the same line.
3. The operation of the apparatus on the same line as telephone or other equipment with audible warning devices or automatic ring detectors will give rise to bell tinkle or noise and may cause false tripping of the ring detector. Should such problem occur, it is not necessary to contact telecom (telephone company) faults service.

- Do not install the apparatus near any heating or air-conditioning apparatus.
- Do not expose to direct sunlight.
- Do not block the ventilation openings.
- Do not place heavy objects, or spill liquids on the apparatus.
- Install the apparatus on a flat surface. Leave at least 10cm of space between the apparatus and other objects.

IMPORTANT NOTICE

The telephone may not operate under power failure condition. Please ensure that a separate telephone, not dependent on local power, is available for emergency use.

Notice to Users in European Union(EU)

Declaration of Conformity (DoC) : CE

"Hereby we, Matsushita Graphic Communication Systems, Inc. / Panasonic Testing Centre (Europe) GmbH (PTC), declare that this product, Model UF-E1-YG is in compliance with the essential requirements and other relevant provisions of the Directive 1999/5/EC"

Hint:

If you want to get a copy of the original DoC of our products which relates to the R&TTE,

please contact our web address: http://doc.panasonic-tc.de

Network Compatibility :

This product, Model UF-E1-YG, is designed as to work with an analogue Public Swithched Telephone Network (PSTN) in each country.

Safety Information

⚠WARNING THE HANDSET RECEIVER MAY PICK UP SMALL FERRO-MAGNETIC OBJECTS SUCH AS PINS AND STAPLES.

Notice to Users in New Zealand

The grant of a Telepermit for any item of terminal equipment only indicates that Telecom has accepted that the item complies with minimum conditions for connection to its network. It does not mean endorsement of the apparatus by Telecom nor does it provide any sort of warranty. Above all, it does not assure that any item will work correctly in respect to another item of Telepermitted equipment of a different make or model, nor does it imply that any apparatus is compatible with all of Telecom's network services.

The apparatus is not capable, under all operating conditions, of correct operation at a higher speed for which it is designed. Telecom will accept no responsibility should difficulties arise in such circumstances.

IMPORTANT NOTICE

During power failure, the telephone may not function. Please use a separate telephone, not dependent on local power, for emergency use.

This apparatus, should not be used if it creates a nuisance to other Telecom customers under certain circumstances.

Immediately disconnect the apparatus should it become physically damaged and arrange for its disposal or repair.

Disconnect the telecom connection before disconnecting the power connection prior to relocating the equipment, and reconnect the power first.

This apparatus may not necessarily provide an effective transfer of a call to or from a telephone connected to the same line.

This apparatus, when connected on the same line to a telephone or other equipment with audible warning devices or automatic ring detectors, might trigger bell tinkle or noise and may cause false tripping of the ring detector. Should such problems occur, it is not necessary to contact telecom faults service.

If the supply cord of this apparatus is damaged, it must be replaced with the special cord supplied by an authorized Panasonic Service Center.

This apparatus is not set up to make automatic calls to the Telecom '111' Emergency Service.

Any users using this apparatus for recording Telephone conversations must comply to New Zealand law. This requires that at least one party in the conversation to be aware of the recording. In addition, the Principles enumerated in the Privacy Act 1993 shall be complied in respect to the nature of the personal information collected, the purpose for its collection, how it is to be used and what is to be disclosed to any other party.

WARNING NOTICE: No emergency call such as '111' or other call can be made from this apparatus during power failure.

"This notice has been included at the request of NZ Telecom as a condition of compliance with Telecom PTC requirements."

NUMBER DISPLAY FORMAT

For all local and national incoming calls your display will show the area code (e.g. 9 for Auckland) or the cellular prefix (e.g. 25 for Telecom Cellular) followed by the caller's telephone number. An Auckland caller's number will be displayed as 9+++++++ on the LCD display and on the "CALL SELECTION". The seven X's respresent the seven digits of the caller's telephone number. A call from a 7-digit Telecom Cellular number will be displayed as 25+++++++. A call from a 6-digit Telecom Cellular number will be displayed as 25++++++. For incoming international calls your display may only show the digits '0000'.

For business users on a Centrex line, your display will also show the Centrex extension numbers in the shorter extension number format used within your company.

TO RETURN A CALL

From the "CALL SELECTION" print-out, select the telephone number which you wish to call.

If you recognize the telephone number as a local, non-cellular number then you can simply dial the 7-digit telephone number without the area code.

In other cases diall a "0" first and then dial all the digits, including the area code which is the left-most digit.

CUSTOMERS USING TELECOM'S TOLL SERVICES

For Home use or use on a digit exchange business line, using Telecom's toll services, it is always easier to dial a "0" before dialing the full telephone number as appeared on the "CALL SELECTION" print-out. This avoids having to decide whether the call is from your local calling area. If the call is a local number, you will not incur a toll charge.

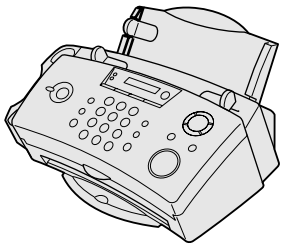
For use on a Centrex line using Telecom's toll services, simply dial the number displayed if it is from one "10" then the full telephone number which appear on the "CALL SELECTION" print-out.

CUSTOMERS USING ANOTHER COMPANY'S TOLL SERVICES

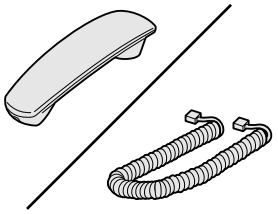
Many customers use another company's toll services and have their line set up so that their chosen carrier's access code is automatically inserted by the Telecom exchange. An example is CLEAR's "CLEARDirect" 050 digit insertion service. If you use this service, your local calls will also be passed to the other carrier should you dial the "0" and the area code. A toll charge may be incurred. Check with the carrier concerned. If you recognize the telephone number as a local non-cellular number then you should dial the 7-digit telephone number without the area code and without the "0" prefix. This will avoid incurring a toll charge for a local call.

Main Apparatus and Accessories/Supplies

Unpack the carton and check that you have all the accessories illustrated.

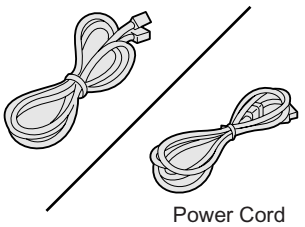


Apparatus



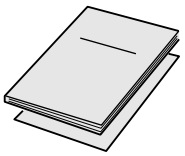
Handset

Curl Cord

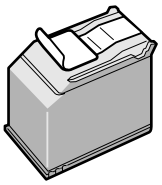


Telephone Line Cord

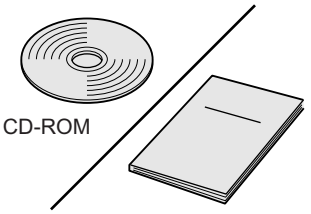
Power Cord



User's Guide and
Quick Reference Guide

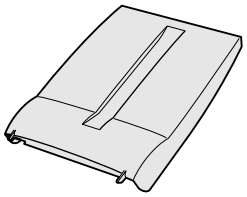


Ink Cartridge (Black)

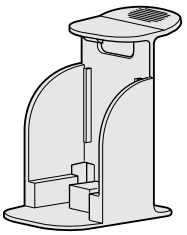


CD-ROM

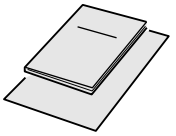
Printer Driver Software and
Quick Start Guide



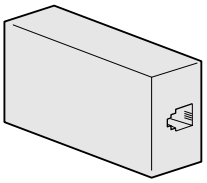
Dust Protector Cover
(See page 16)



Cartridge Holder



Registration Form and
Internet Setup Guide



Roset
(It may not be supplied depending
on countries.)

Supplies

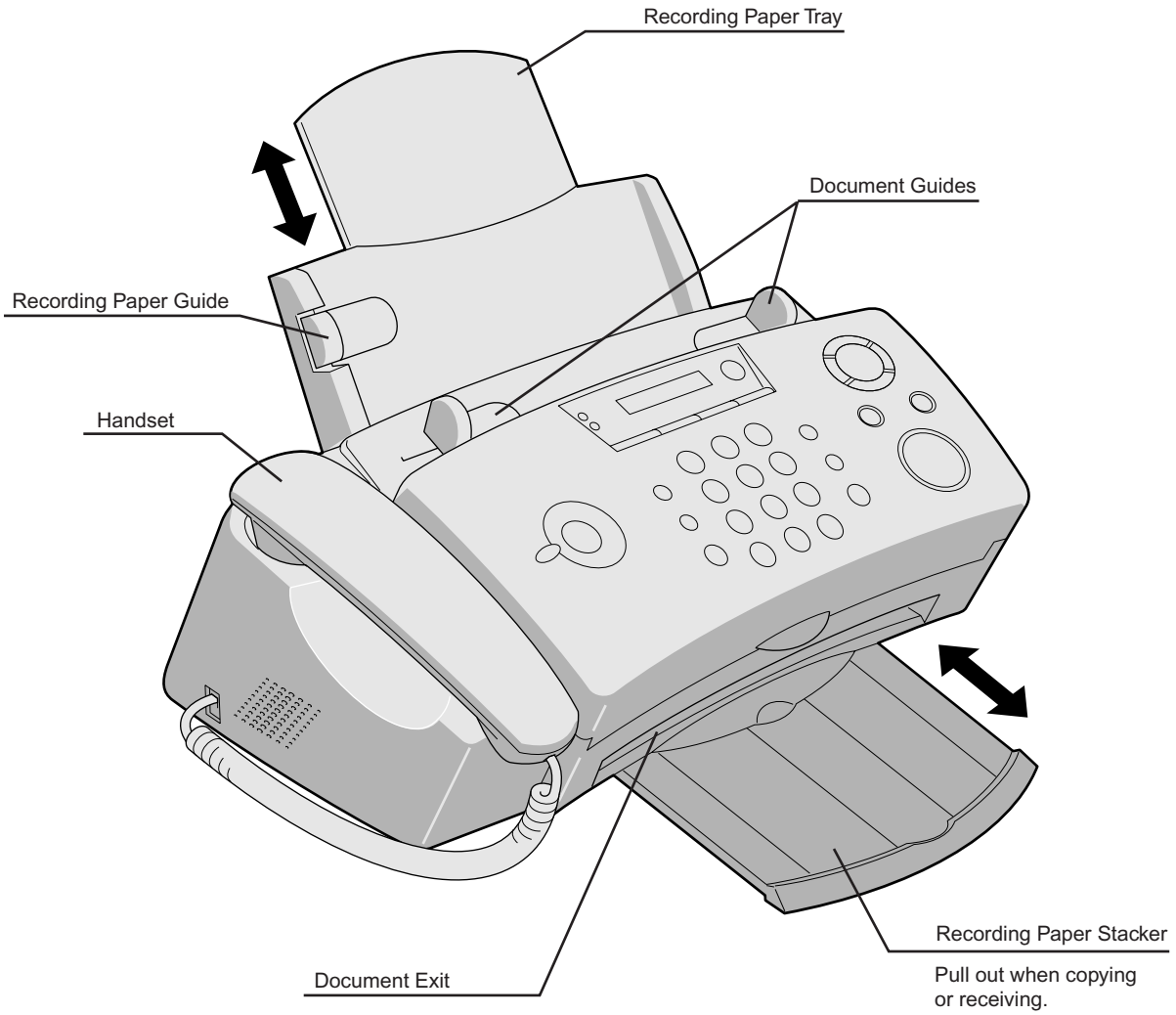
Black Ink Cartridge	Order No.: PC-20BK
Colour Ink Cartridge	Order No.: PC-20CL

NOTE

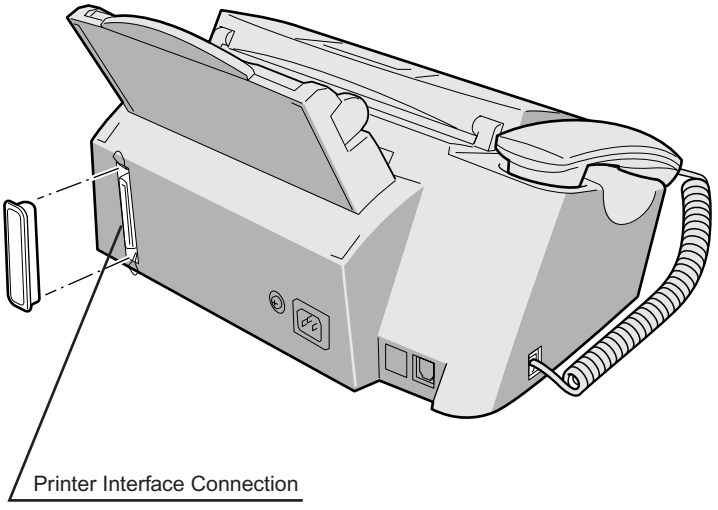
1. *The Colour Ink Cartridge required for your apparatus is sold separately. Please purchase it from the place where you bought the apparatus or an office supplies store before proceeding with installation.*

External View

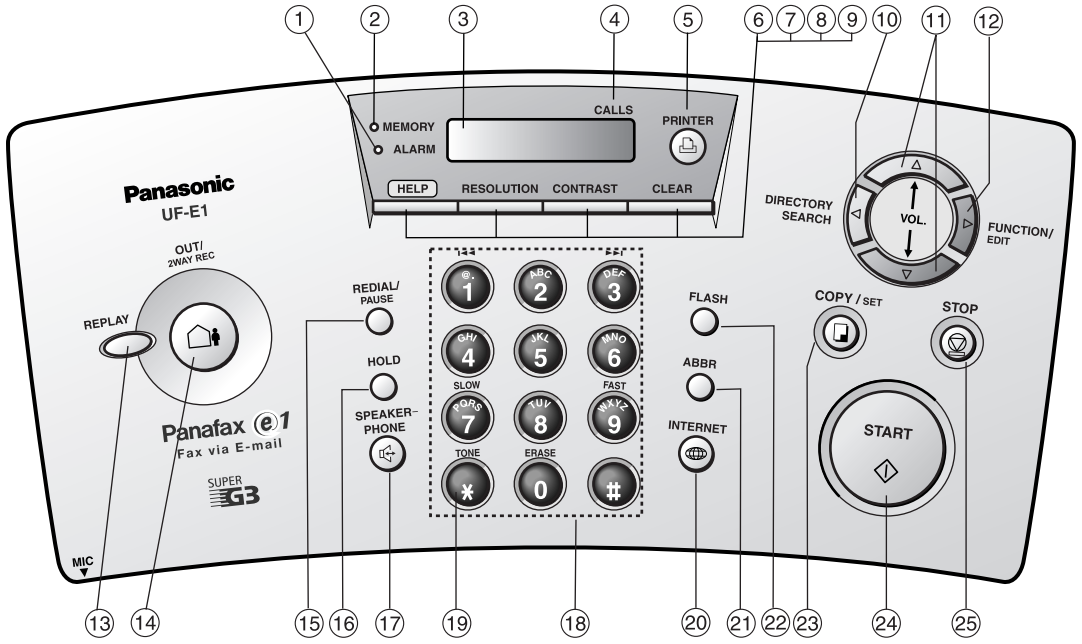
Front View



Rear View

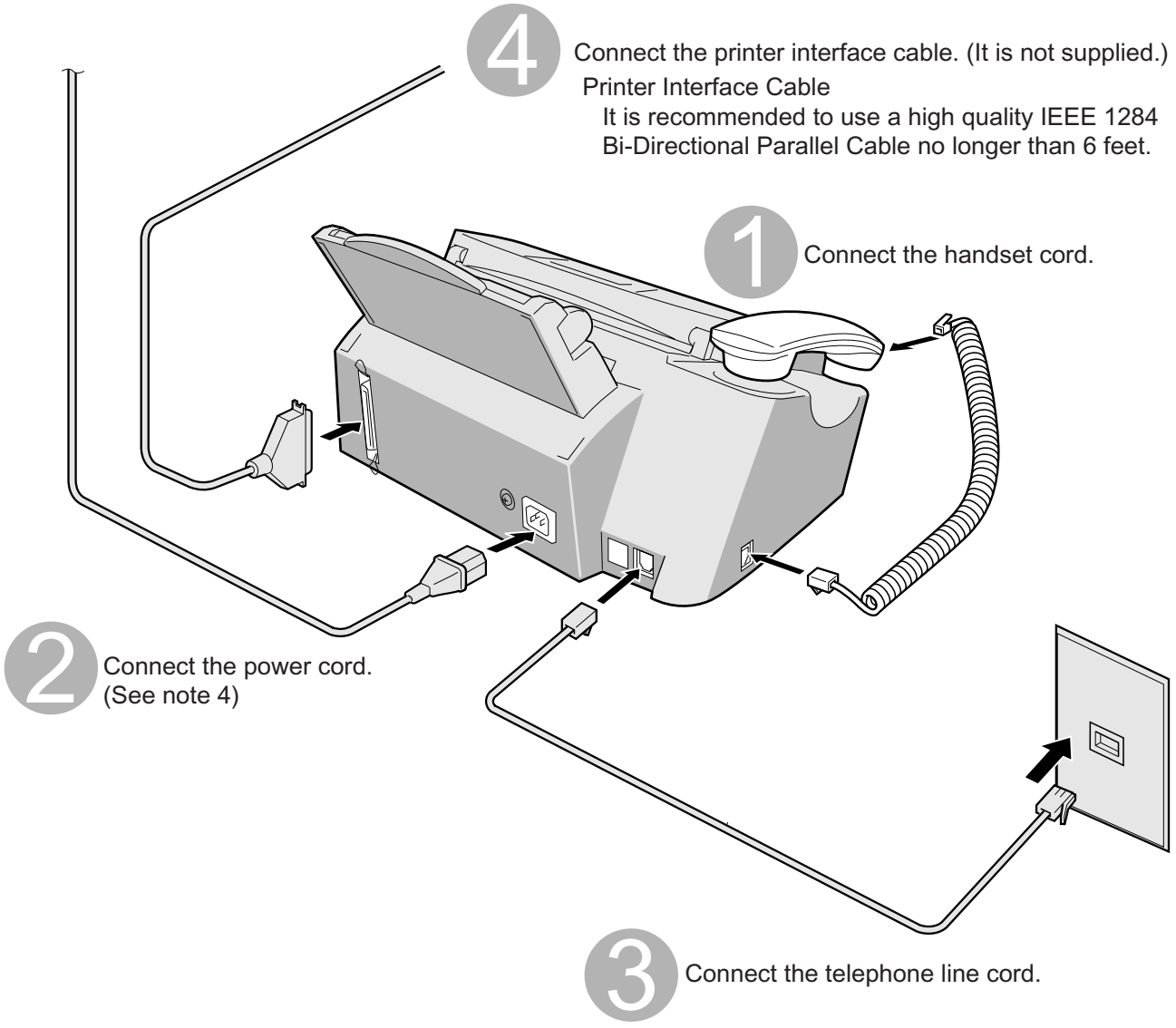


Control Panel



1. **ALARM**
   The indicator lights up when trouble occurs.
2. **MEMORY**
   Lights when memory is used.
3. **LCD Display**
   Displays date and time, or the current operation.
4. **CALLS**
   Displays the number of calls in the OUT (unattended) and MEMO modes.
5. **PRINTER**
   Used to serve as a printer.
6. **HELP**
   Used to print a simple operating guide.
7. **RESOLUTION**
   Used to set Standard, Fine, Super-Fine and Halftone. (See page 35)
8. **CONTRAST**
   Used to set Normal, Darker or Lighter. (See page 35)
9. **CLEAR**
   Used to erase inputs.
10. **DIRECTORY SEARCH**
    Used to search for a station name.
11. **VOL. (VOLUME)**
    Used to adjust monitor volume, Ringer Volume, Melody Volume and Message Volume.
12. **FUNCTION/EDIT**
    Used to start or select a function. The function is explained in greater detail in this manual.
13. **REPLAY**
    Used to replay any stored messages.
14. **OUT/2WAY REC**
    Used to set when the user is not around to attend to calls or record a telephone conversation.
15. **REDIAL/PAUSE**
    Used to set a pause when entering a telephone number or redialling the last dialled number.
16. **HOLD**
    Used to pause an interval during a conversation.
17. **SPEAKERPHONE**
    Used for hands-free conversation or to enter a space when registering a telephone number.
18. **Dial keypad**
    Used for registering telephone numbers and entering characters for station name. Used to activate ICMs (incoming message) functions.
19. **TONE button**
    Used to temporarily change Dialling Mode from Pulse to Tone.
20. **INTERNET**
    Used to dail up to ISP to retrieve e-mails and Faxes.
21. **ABBR**
    Used to speed-dial a telephone number or e-mail address.
22. **FLASH**
    Used to access some features of your PBX.
23. **COPY/SET**
    Used to make photocopies (See page 50) and set operations.
24. **START**
    Used to start operations.
25. **STOP**
    Used to cancel operations or return to standby.

Connecting the Telephone Line Cord, and Power Cord, Printer Interface Cable

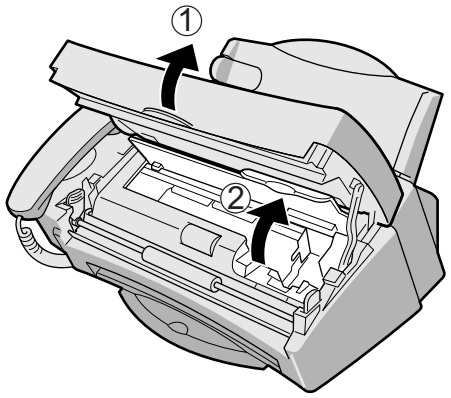

4
Connect the printer interface cable. (It is not supplied.)
Printer Interface Cable
It is recommended to use a high quality IEEE 1284 Bi-Directional Parallel Cable no longer than 6 feet.
1
Connect the handset cord.
2
Connect the power cord.
(See note 4)
3
Connect the telephone line cord.

NOTE

1. *Your apparatus uses little power and you should keep it "ON" at all times.*
2. *This apparatus must be properly earthed through an ordinary 3 prong AC outlet. If 3 prong AC outlet is not provided, it is required to be earthed to the terminal on the rear of the apparatus.*
3. *This apparatus cannot function during a power failure.*
4. *The line connecting method, the types of the telephone line cord and power supply cord vary from country to country.*

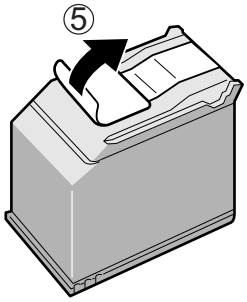
Installing the Ink Cartridge

1



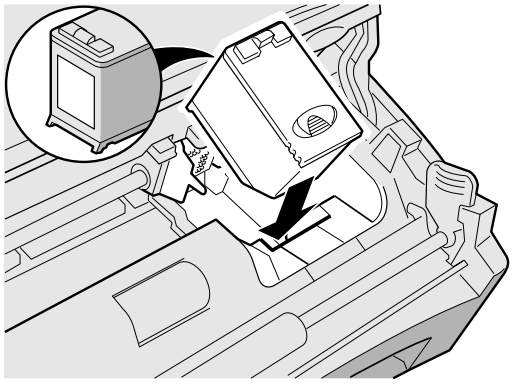
1. Open the Panel Cover until it is secured.
2. Lift up the Cartridge Cover until it is locked.
3. Wait until the Ink Cartridge Station is moved to installing position.

2



4. Take out the Ink Cartridge from its plastic packaging.
5. Remove the tape on the Ink Cartridge.

3



6. Tilt the coloured side of the Ink Cartridge toward you with the contact points (gold-plated) facing inwards and slide the Ink Cartridge into the Ink Cartridge Cradle.

Continued on the next page.

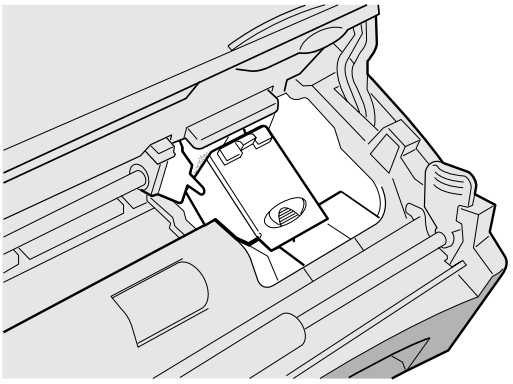
⚠ CAUTION Make sure that the old and new Ink Cartridges are out of reach from the children as the ink may be harmful to them.

NOTE

1. *Ink Cartridge Station will be returned if no action is taken in about 3 minutes. To make move Ink Cartridge Station to install position, repeat procedure 1 and 2.*

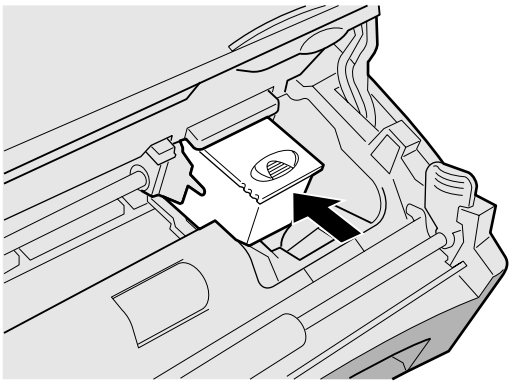
Installing the Ink Cartridge

4



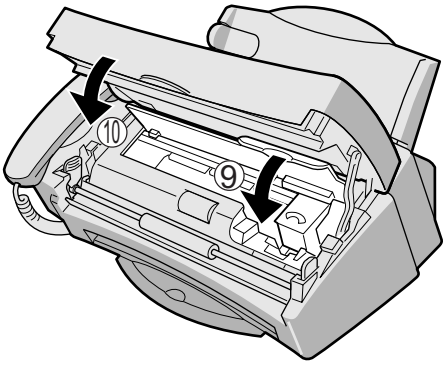
7. Confirm that the Ink Cartridge is positioned as illustrated.

5



8. Press the outer end of the Ink Cartridge as illustrated until you hear a click.

6



9. Close the Cartridge Cover.
10. Close the Panel Cover.
11. Press [0] for new Ink Cartridge.

⚠ CAUTION Make sure not to touch the Print Head on the Ink Cartridge or the sharp edges around it during unpacking and installing the cartridge.

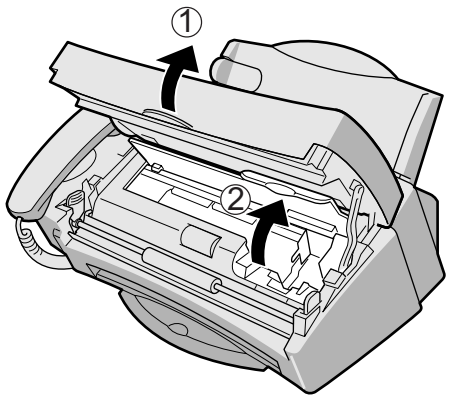
NOTE

1. *You may purchase the required ink cartridge (Order No.: PC-20BK (Black), PC-20CL (Colour)) for your apparatus from the place where you bought the apparatus or an offfice supplies store.*
2. *If initial print or copy tests are missing dots or lines, repeat steps 3 to 5. Continue to print or copy until they are of satisfactory quality.*

Replacing the Ink Cartridge

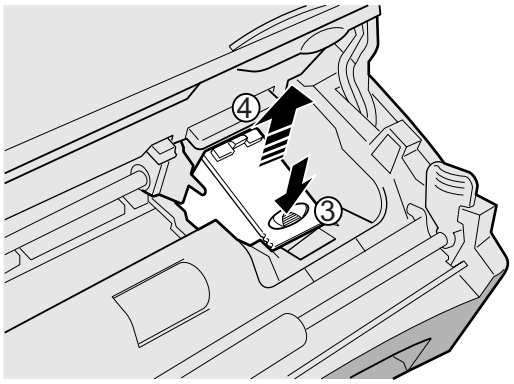
When the apparatus shows NO INK 015 or INK LEVEL LOW, you need to replace the Ink Cartridge. Use the following procedure to replace.

1



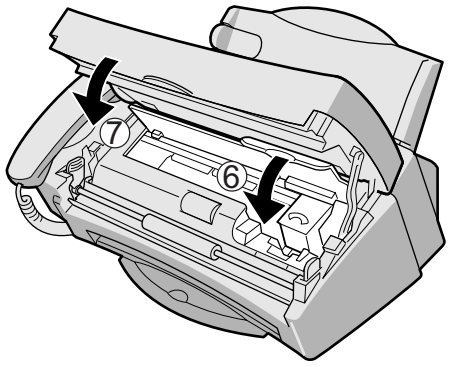
1. Open the Panel Cover until it is secured.
2. Lift up the Cartridge Cover until it is locked.

2



3. Press the outer end of the Ink Cartridge until it is released from the catch and remove it from cradle.
4. Take the cartridge out.
5. Install the new Ink Cartridge. (See page 13. Follow the instructions from step 2.)

3



6. Close the Cartridge Cover.
7. Close the Panel Cover.

Press [0] for new Ink Cartridge or [1] for used Ink Cartridge to return to standby.

Maintaining Print Quality: Keep the ink cartridge in the cradle at all times. Removing the cartridge will expose it to air, causing the ink to evaporate, and degrade the print quality.
Keep the ink cartridge in its “home” position when the UF-E1 is not being used. Leaving it out of position will cause the ink to evaporate quickly.

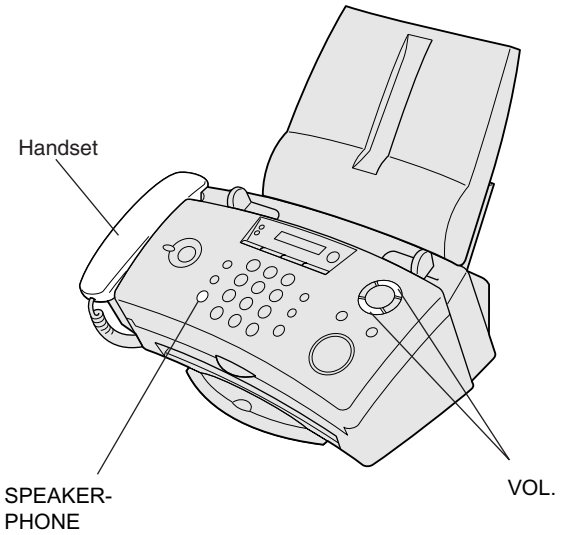
Storing Ink Cartridge: The following instructions will help you when storing unused ink cartridge.
- Keep the ink cartridge in its sealed container until you are ready to use it.
- Store the ink cartridge container at room temperature.
- Check the expire date on the cartridge package and use before that date.
- Install the ink cartridge in the cradle immediately after opening the sealed container.

NOTE

1. *If your apparatus detects Out-of-ink even though the Ink Cartridge still has enough ink, remove the Ink Cartridge and clean the Print Head on the Ink Cartridge by referring to pages 94 and 95. Then, re-install the Ink Cartridge and make a few copies to confirm whether the Ink Cartridge has recovered.*

Adjusting Volume

You can adjust the ringer volume, speakerphone volume and handset volume on your apparatus. The built-in speaker enables you to hear the dialling tone, dialling signals, and busy tone. The ringer will sound when your apparatus receives a call.



Ringer Volume

■ 4 levels (0, 1, 2 or 3) can be set.
(See notes 1 and 3)

use [∧] and [∨] to adjust during standby mode.

```
RINGER VOLUME =2
```

Speakerphone Volume

■ 4 levels (1, 2, 3 or 4) can be set.

and

(use [∧] and [∨] to adjust.)

```
MONITOR VOLUME=2
```

to return to standby.

Handset Volume

■ 4 levels (1, 2, 3 or 4) can be set.

Lift up the handset.

When you are calling,

use [∧] and [∨] to adjust.

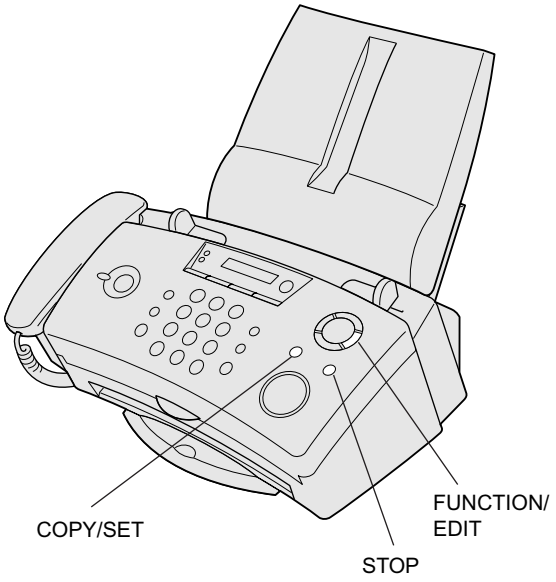
```
RECEIVER VOL = 2
```

NOTE

1. *When "SILENT RCV" in BASIC SETTING is set to "ON", the apparatus will not trigger ringing sound. (See pages 81 and 82)*
2. *You can also adjust the volume of the key touch tone in BASIC SETTING ("KEY VOLUME"). (See pages 81 and 82)*
3. *If you select volume "0", the display will show the following message when a call comes in.*

```
PICKUP TELEPHONE
```

User Parameters



Setting the Date and Time

You can set to display Date and Time on your apparatus.

1 FUNCTION/EDIT, 0, 4

```
BASIC SETTING ?
```

2 COPY/SET, COPY/SET

```
00-00-'00 00:00
```

3 Enter Date, Month, Year and Time.

E. g. :20, May 2001 15:30

2 0 0 5 0 1 1 5 3 0

- [0] must be inserted if it is one digit.
- Lower digits of Year.
- 24 hours

```
20-05-'01 15:30
```

If you make a mistake, use the [<] and [>] to move the cursor to edit.

4 COPY/SET, STOP

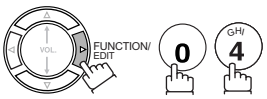
NOTE

1. *To cancel operation press [STOP] button.*
2. *The accuracy of the clock will be approximately ±60 seconds a month.*
3. *If a power failure occurs, a built-in battery will back up this information up to 8 minutes when it is fully charged.*

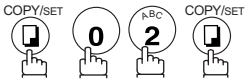
Setting Your NAME

When you send a document, your NAME can appear as a header on the top of the copy printed at the other station.

The NAME helps to identify you to someone who receives your documents.

1 


```
BASIC SETTING ?
```

2 

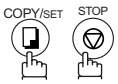

```
NAME:■
```

3 Enter your NAME (max. 25 characters and digits) by using the keypad. (See page 20)

E. g. :PANASONIC

```
NAME:PANASONIC
```

If you make a mistake, use [<] and [>] to move the cursor to edit.
If more that 11 characters are entered, the characters on the left will be scrolled off from the display.

4 

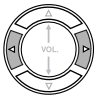
Entering Characters

Enter characters using each button ([@ 1] to [0] [*] [#]). Select the desired characters according to the following table.

Character Table

Buttons	Character String: Number of times buttons pressed									Buttons	Character String: Number of times buttons pressed								
	1	2	3	4	5	6	7	8	9		1	2	3	4	5	6	7	8	9
[@ 1]	1									[PQRS 7]	P	Q	R	S	7				
[ABC 2]	A	B	C	2						[TUV 8]	T	U	V	8					
[DEF 3]	D	E	F	3						[WXYZ 9]	W	X	Y	Z	9				
[GHI 4]	G	H	I	4						[0]	.	-	/	(	)	•	&	=	0
[JKL 5]	J	K	L	5						[*]	✳								
[MNO 6]	M	N	O	6						[#]	#								

Special use of buttons

Buttons	Use
SPEAKER-PHONE	Enter a SPACE.
	Move the cursor to the right or left.
CLEAR	Delete entered character.

How to Enter Characters

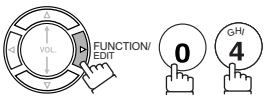
Select the desired characters in the above table and press [COPY/SET]. This enters the selected characters.

E. g. : Entering "PANASONIC"

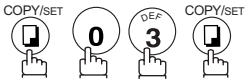
Setting Your ID Number (FAX Telephone Number)

When sending or receiving, your ID number will appear on the remote apparatus LCD display and their ID Number will appear on your LCD display. (See note 2)

You should use your facsimile telephone number as your ID number up to 20 digits long.

1 


```
BASIC SETTING ?
```

2 

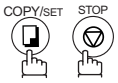

```
TEL:■
```

3 Enter your ID (max. 20 digits) by using the Dial keypad and [SPEAKERPHONE] for a space.

E. g. :


```
TEL:01 555 1212■
```

If you make a mistake, press [CLEAR] to erase the number then re-enter the correct number. If more than 11 digits are entered, the characters on the left will be scrolled off from the display.

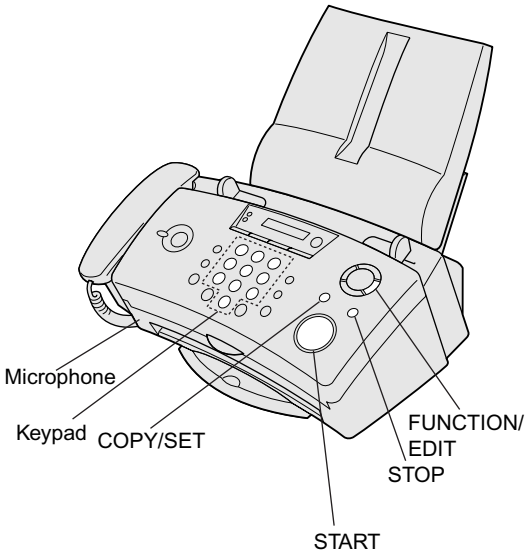
4 

NOTE

1. *You may use [#] to enter a "+" character at the beginning of the ID number to indicate the following digit(s) for your country code.*
   E. g. :*+1 201 555 1212 +1 for U.S.A. country code.*
   +81 3 111 2345 +81 for Japan country code.
2. *Character ID function may be available depending on the other party. If it is available, first 16 characters from your registered name are used.*

Managing Outgoing Messages (OGM)

The apparatus has 2 receiving modes. One is OUT MODE (When you are out) and the other is IN MODE (When you are at home). In OUT MODE, you can record a greeting message (TAM OGM) to answer a call before recording incoming message. The greeting message takes up to a 30-second recording which is played to the caller before the apparatus records the message.



To Record TAM OGM

1 FUNCTION/EDIT, 0, 6, COPY/SET

```
TAM OGM ?
```

2 @. 1, COPY/SET — TAM OGM (Max. 30 sec.)

```
REC TAM OGM ?
```

3 COPY/SET

```
PRESS START
```

4 START

After a beep tone is heard, start recording via the microphone (approx. 20 cm away and speak towards MIC on the Control Panel).

5 STOP to end recording. The OGM is played.

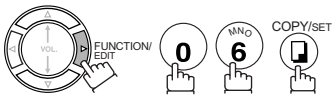
Sample of greeting messages

TAM OGM: Hello I am unable to answer your call right now. Please leave your message after the beep. To send a fax, please start your apparatus now.

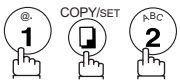
NOTE

1. *Press [STOP] anytime to end OGM.*
2. *To change an OGM, you must delete the old OGM first and then record a new one.*

To Playback TAM OGM

1 

TAM OGM ?

2 

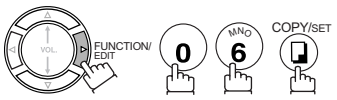
PLAY TAM OGM ?

3

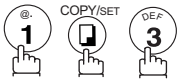
PLAYBACK OGM

Your apparatus plays the recorded OGM.
(See note 2)

To Erase TAM OGM

1 

TAM OGM ?

2 

ERASE TAM OGM ?

3

START TO ERASE

Your apparatus plays the recorded OGM.
(See note 2)

4

Your apparatus erases the recorded OGM.
(See note 3)

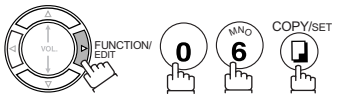
NOTE

1. *Press [STOP] anytime to end OGM.*
2. *When the apparatus beeps 3 times and the display shows "NOT RECORDED", it means that OGM is not recorded.*
3. *To change an OGM, you must erase the old OGM first and then record a new one.*

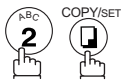
Managing Outgoing Messages (OGM)

In IN MODE (When you are at home), you can record 2 outgoing messages in FAX/TEL auto-switching mode: The "F/T FIRST OGM" is a message (max. 4 sec.) played to the caller while the apparatus is activating the internal bell. The "F/T LAST OGM" is a final message (max. 8 sec.) played to the caller before the apparatus enters the fax mode.

To Record F/T First OGM

1 


```
TAM OGM ?
```

2 

F/T FIRST OGM (Max. 4 sec.)

```
REC F/T FIRST ?
```

3


```
PRESS START
```

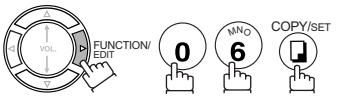
4

After a beep tone is heard, start recording via the microphone (approx. 20 cm away and speak towards MIC on the Control Panel).

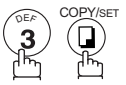
5

to end recording.
The OGM is played.

To Record F/T Last OGM

1 


```
TAM OGM ?
```

2 

F/T LAST OGM (Max. 8 sec.)

```
REC F/T LAST ?
```

3


```
PRESS START
```

4

After a beep tone is heard, start recording via the microphone (approx. 20 cm away and speak towards MIC on the Control Panel).

5

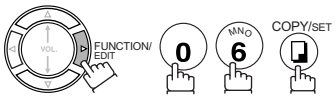
to end recording.
The OGM is played.

Sample of greeting messages	
F/T(Fax/Tel) First OGM:	Please hold while your call is being transferred.
F/T(Fax/Tel) Last OGM:	Sorry, there is no one here to answer your call. To send a fax please start your apparatus now.

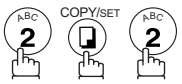
NOTE

1. *Press [STOP] anytime to end OGM.*
2. *To change an OGM, you must delete the old OGM first and then record a new one.*

To Playback F/T First OGM

1 

TAM OGM ?

2 

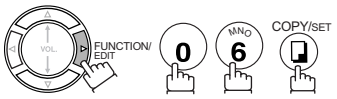
PLAY F/T FIRST ?

3

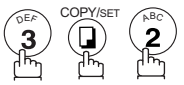
PLAYBACK OGM

Your apparatus play the recorded OGM. (See note 2)

To Playback F/T Last OGM

1 

TAM OGM ?

2 

PLAY F/T LAST ?

3

PLAYBACK OGM

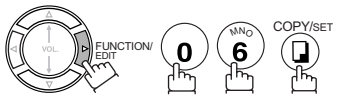
Your apparatus play the recorded OGM. (See note 2)

NOTE

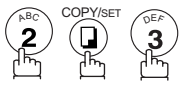
1. *Press [STOP] anytime to end OGM.*
2. *When the apparatus beeps 3 times and the display shows "NOT RECORDED", it means that OGM is not recorded.*
3. *To change an OGM, you must erase the old OGM first and then record a new one.*

Managing Outgoing Messages (OGM)

To Erase F/T First OGM

1 

TAM OGM ?

2 

ERASE F/T FIRST?

3

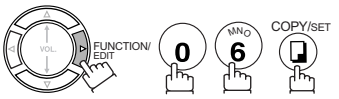
START TO ERASE

Your apparatus plays the recorded OGM. (See note 2)

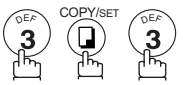
4

Your apparatus erases the recorded OGM. (See note 3)

To Erase F/T Last OGM

1 

TAM OGM ?

2 

ERASE F/T LAST ?

3

START TO ERASE

Your apparatus plays the recorded OGM. (See note 2)

4

Your apparatus erases the recorded OGM. (See note 3)

NOTE

1. *Press [STOP] anytime to end OGM.*
2. *When the apparatus beeps 3 times and the display shows "NOT RECORDED", it means that OGM is not recorded.*
3. *To change an OGM, you must erase the old OGM first and then record a new one.*

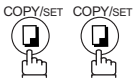
Speed Dialling Numbers

Registering an Abbreviated Dialling Number

To store a telephone number into ABBR Auto-Dialler, follow these steps below:

1

SPEED DIAL NOS.?

2 

ABBR. NO. = ■

3 Enter an ABBR Dialling Number (0 to 9).

E. g. : 1

STATION NAME

4 Enter the station name using the dial keypad (max. 15 characters).
(See page 20)

E. g. :PANASONIC

NAME:PANASONIC

5

TELEPHONE NO

6 Enter the telephone number.
(up to 36 digits including pauses and spaces)

E. g. : 9 REDIAL/PAUSE 5 5 5 SPEAKER-PHONE 1 2 3 4

TEL:9-555 1234■

7

ABBR. NO. = ■

To register another number, repeat steps 3 to 7.
To return to standby, press [STOP].

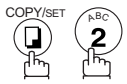
NOTE

1. *If you require a special access number to get to an outside line, enter it first and then press [REDIAL/PAUSE]. A hyphen "-" is displayed for pause.*
2. *Use [SPEAKERPHONE] to enter a space between the numbers to make it easier to read.*

Registering Directory Dialling Number

1

SPEED DIAL NOS.?

2 

DIRECTORY DIAL ?

3

(Up to 120 stations can be registered.)

STATION NAME

4 Enter the Station name using the dial keypad. (Max. 15 characters)
(See page 20)

E. g. :MATSUSHITA

NAME:MATSUSHITA

5

TELEPHONE NO

6 Enter the telephone number.
(up to 36 digits including pauses and spaces)

E. g. :

TEL:9-555 1234

7

STATION NAME

To register another number, repeat steps 4 to 7.
To return to standby, press [STOP].

NOTE

1. *If you require a special access number to get to an outside line, enter it first and then press [REDIAL/PAUSE]. A hyphen "-" is displayed for pause.*
2. *Use [SPEAKERPHONE] to enter a space between the numbers to make it easier to read.*

Changing Speed Dialling Numbers

If you need to change any of the speed dialling numbers, follow the steps below:

■ ABBR. Dialling Number

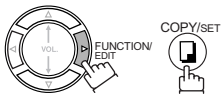
1


```
ABBR. NO.    = ■
```

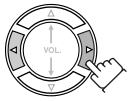
2 Enter the ABBR dialling numbers you want to change.

E. g. : (0)

```
PANASONIC
```

3 

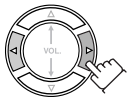

```
NAME:PANASONIC
```

4 

to move the cursor to the incorrect character. Press [CLEAR] to delete then enter the new character.

5


```
TEL:9-555 1234
```

6 

to move the cursor to the incorrect number. Press [CLEAR] to delete then enter the new number.

7

To correct another ABBR dialling number, repeat steps 1 to 6.

■ DIRECTORY Dialling Number

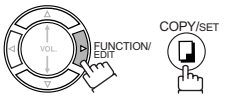
1


```
MATSUSHITA
```

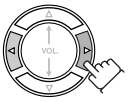
2

Select the station to be changed.

```
PANASONIC
```

3 

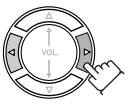

```
NAME:PANASONIC
```

4 

to move the cursor to the incorrect character. Press [CLEAR] to delete then enter the new character.

5


```
TEL:9-555 1234
```

6 

to move the cursor to the incorrect number. Press [CLEAR] to delete then enter the new number.

7

To correct another telephone number, repeat steps 1 to 6.

NOTE

1. *Use [SPEAKERHONE] to enter a space between the numbers you set. Each space is counted as a digit and you can enter up to 36 digits per entry.*
2. *If a deferred transmission has been set, the speed dialling number cannot be changed or erased until the transmission has finished or is cancelled (See page 53).*

Erasing Speed Dialling Numbers

To erase the setting of dialling number.

■ ABBR. Dialling Number

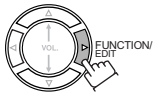
1


```
ABBR. NO.    = ■
```

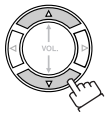
2 Enter the ABBR dialling numbers you want to change.

E. g. : (0)

```
PANASONIC
```

3 


```
EDIT ?
```

4 

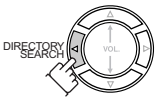
```
DELETE ?
```

5


```
START TO DELETE
```

6

■ DIRECTORY Dialling Number

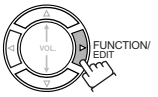
1 


```
MATSUSHITA
```

2

Select the station to be deleted.

```
PANASONIC
```

3 


```
EDIT ?
```

4

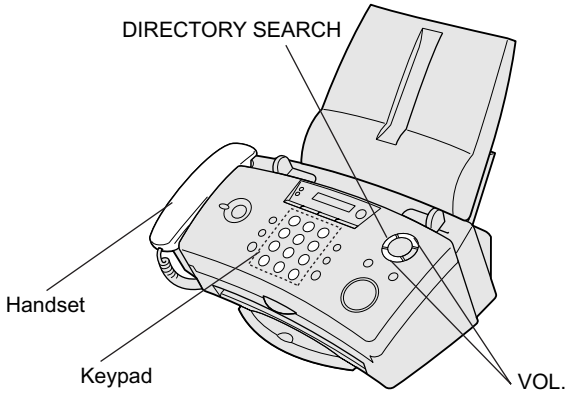
```
DELETE ?
```

5


```
START TO DELETE
```

6

Telephone



Directory Search Dialling

1 Please register telephone number and station name before use. (See pages 27 and 28)

2

MATSUSHITA

3

PANASONIC

4 Lift up the handset.
The apparatus starts to dial the telephone number.

■ Quick Search Function

1. After operation of step 2, select the initial character of the destination name by each button ((@.1) to (0) (*) (#)).

Initial Character	Buttons	Initial Character	Buttons	Initial Character	Buttons
1	Press (@.1)	JKL 5	Press (JKL 5).	WXYZ 9	Press (WXYZ 9)
ABC 2	Press (ABC 2)	MNO 6	Press (MNO 6)	Other	Press (0)
DEF 3	Press (DEF 3)	PQRS 7	Press (PQRS 7)	*	Press (*)
GHI 4	Press (GHI 4).	TUV 8	Press (TUV 8)	#	Press (#)

2. Press [∧] or [∨] to search for the other party's name.

Direct Dialling

To dial a telephone number manually, using the keypad, follow the steps below.

1 Lift up the handset.

ENTER TEL NO.

2 Dial by using the following methods.

- Enter a telephone number from the keypad.
- Abbreviated Dialling (See below)
- Directory Search Dialling (See page 31)

3 When the other party answers, begin your conversation.

Abbreviated Dialling

Abbreviated Dialling is a speedy way to dial a frequently dialled telephone number by preprogramming the telephone number into built-in auto-dialler with a 1-digit abbreviated code. To program an abbreviated dialling number, see page 27.

1

and enter a 1-digit code.

E. g. : ABBR (@. 1)

The display will show the registered name.

MATSUSHITA

2 Lift up the handset or press [SPEAKERPHONE].
The full number (e.g. 9-555 1234) will be dialled.

9-555 1234■

Manual Number Dialling

1 Enter the telephone number.

E. g. : (JKL 5) (JKL 5) (JKL 5) (@. 1) (ABC 2) (DEF 3) (GHI 4)

5551234

2 Lift up the handset or press [SPEAKERPHONE].

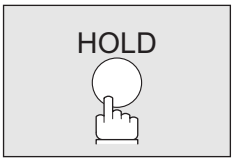
3 Begin your conversation.

■ Duration Display

The timer will start counting after 10 seconds from the time you have dialled out as displayed

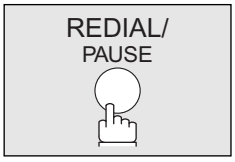
00:00'20"

■ HOLD



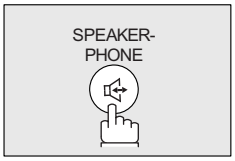
1. Press [HOLD] to pause during a conversation.
   Melody will be played to the caller.
2. Press [HOLD] again to resume conversation.

■ To redial the last number



1. Press [SPEAKERPHONE] or lift up the handset.
2. Press [REDIAL/PAUSE] button.
3. The apparatus starts to dial the last dialled telephone number.

■ SPEAKERPHONE



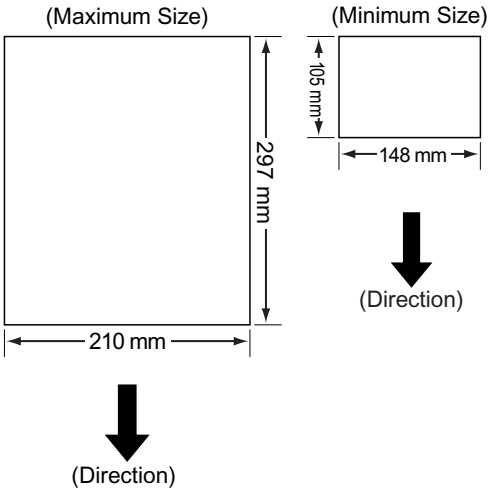
1. Press [SPEAKERPHONE].
2. Talk with the other party.
3. Press [SPEAKERPHONE] again after you finished talking.

Loading Documents

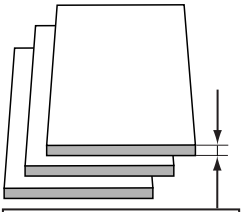
Documents You Can Send

The apparatus can send any document printed on A4 size paper.

Document Size

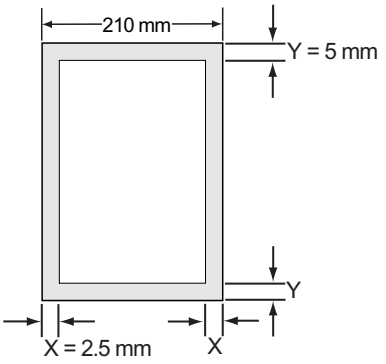


Document Thickness



Single sheet;
0.06 mm (45 g/m^2) to
0.15 mm (112 g/m^2)
Multiple sheets;
0.06 mm (45 g/m^2) to
0.10 mm (80 g/m^2)

Effective Scanning Area



Note : Letters on X and Y area will not be printed on the received copy. And content of original document is erased where a header and total page are positioned.

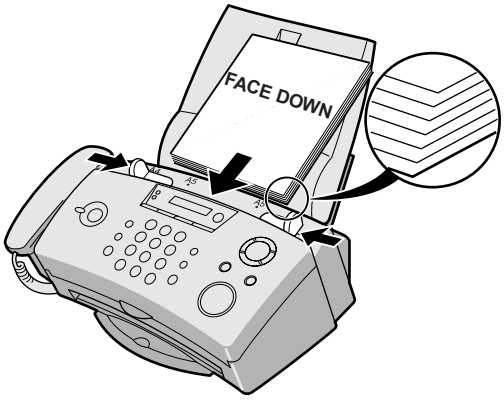
■ Documents You Cannot Send

You must never try to send documents that are

- Wet
- Too thin (e.g., airmail paper, pages from some magazines, etc.)
- Coated (e.g., glossy paper, etc.)
- Covered with wet ink or paste
- Creased, curled or folded
- Chemically processed (e.g., pressure-sensitive paper, carbon-coated paper, etc.) or made of cloth or metal

Remove clips, staples or other similar fastening objects.

You are advised to make a photocopy of the above documents before transmission.



How to Load Documents

1 Set documents **FACE DOWN** and make sure bottom sheet enters the apparatus first.
- A maximum of 20 pages at a time.

2 Adjust the document guides to the width of the documents.

3 Change the RESOLUTION and CONTRAST if needed (See below).

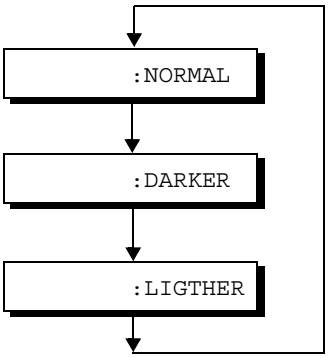
Setting Contrast, Resolution and Halftone

The transmission settings, CONTRAST, RESOLUTION and HALFTONE can be changed temporarily before or after you have placed the document on the ADF.

Once the document is sent, your apparatus will automatically revert to default setting. (See pages 81 and 84)

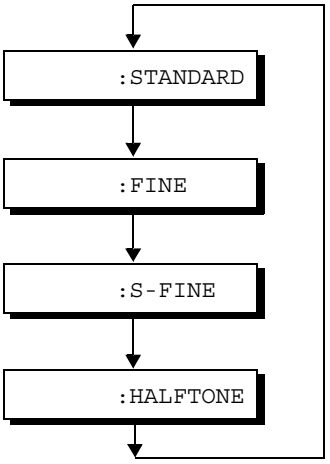
■ CONTRAST

Your apparatus is preset to NORMAL contrast. To transmit a faint-printed document, please change contrast setting to DARKER and vice versa a dark-printed document, please set to LIGHTER. Press [CONTRAST] repeatedly to select.



■ RESOLUTION and HALFTONE

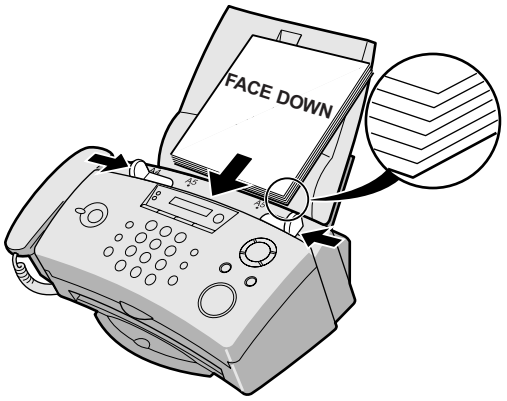
Your apparatus is preset to STANDARD resolution. Use Fine or Super Fine for detailed documents and Halftone when sending photographs or illustrations with grey tones. Press [RESOLUTION] repeatedly to select.



NOTE

1. *To permanently change the Contrast position and Resolution position, please change FAX SETTING. (See pages 81 and 84)*
2. *Setting of the Resolution cannot be changed when making copies.*

Sending Documents



1 Set document(s) FACE DOWN on the ADF and adjust the Document Guides.

2 Enter the telephone number.

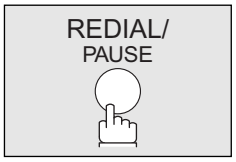
E. g. : 5 5 5 1 2 3 4

Following dialling methods can also be used.

- Direct Dialling (See page 32)
- Abbreviated Dialling (See page 32)
- Directory Search Dialling (See page 31)

3 START

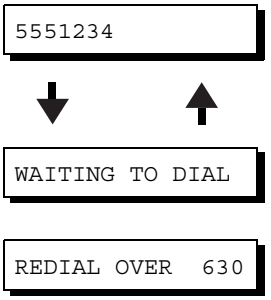
■ To redial the last number



1. Set document(s) FACE DOWN on the ADF and adjust the Document Guides.
2. Press [REDIAL/PAUSE] button.
3. The apparatus starts to dial the last dialled telephone number.

■ Automatic Redialling

If the line is busy, your apparatus will redial the number up to 2 times at 3 minute interval. During that time, a message will appear as shown on the right. If the line is still busy after the last try, a message "REDIAL OVER" will appear as shown on the right and your apparatus will print a COMM. Journal depending on the FAX SETTING. (See pages 81 and 84)

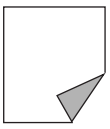


NOTE

1. *To stop the transmission, press [STOP].*
2. *If you need a special access number to get to an outside line, dial it first then press [REDIAL/PAUSE] to enter a pause (represented by a "-") before dialling the full number.*
   ***E. g. :** 9 [REDIAL/PAUSE] 555 1234*
3. *When you hear the voice of the other party through the speakerphone after step 3, lift up the handset and tell the other party to prepare to receive a document. After you hear a beep, press [START] and replace the handset.*
4. *While a document is kept in the memory waiting for the transmission, you cannot send another document until the memory transmission is completed.*
5. *The number of redials will depend on the countries settings.*

Multi-station Transmission (Broadcasting)

Multi-station Transmission enables the sender to transmit the same document to multiple stations without having to load document for every transmission. This can be done simply by storing the document into memory and selecting the intended stations one at a time. (Max. 50 stations)

1 

Set document(s) FACE DOWN on the ADF and adjust the Document Guides.

```
DOCUMENT SET
```

2 Dial by any combination of the following methods. (See notes 1 and 3)

- Abbreviated Dialling (See page 32)
- Directory Search Dialling (See page 31)

E. g. :


```
(Station name)
```

(When entering a station for Abbreviated Dialling or Directory Search Dialling, press [COPY/SET] after each station is entered.)

```
ENTER STATION(S)
```

3


```
* STORING *
```

The document is stored into memory and then the apparatus starts to dial the telephone number for each station in sequence.

```
9-555 1234■
```

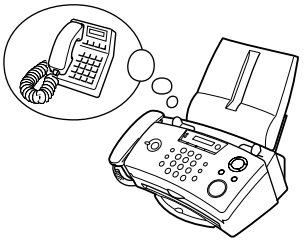
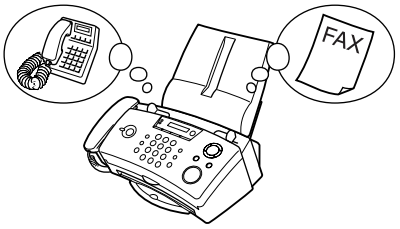
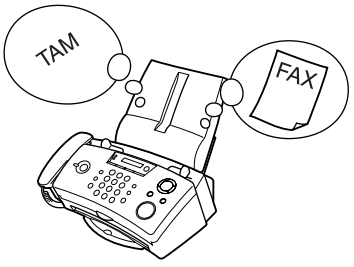
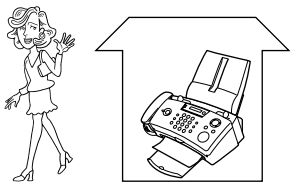
NOTE

1. *You can review the stations you have entered in step 2 before storing your document into memory by pressing [∧] or [∨]. Press [CLEAR] to clear an entered station shown on the display, if necessary.*
2. *To stop the transmission, press [STOP].*
3. *It is not possible to set stations with E-Mail addresses.*

Receiving Documents

■ Incoming Process

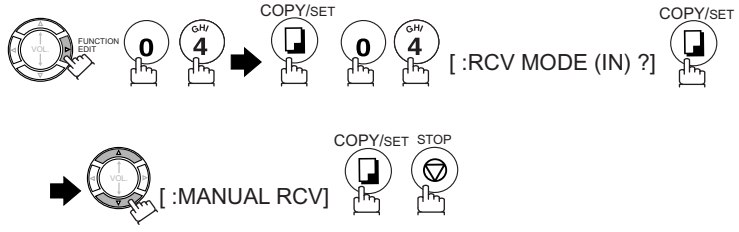
This apparatus provides 4 types of reception modes. Select a mode to suit your specific requirements.

	Your Usage	When A Call Is Received
When You are at Home. (IN MODE)	If you receive mainly telephone calls, set your apparatus to "MANUAL RCV" mode. 	**MANUAL RCV Mode** ■ When you receive a fax call, ➡ START to receive documents. ■ When a telephone call is received, ➡ the apparatus will ring.
	If you receive both voice and fax calls, set your apparatus to "FAX/TEL" mode. 	**FAX/TEL Mode** ■ When you receive a fax call, ➡ the apparatus automatically receives documents. ■ When a telephone call is received, ➡ the apparatus will ring.
When You are OUT. (OUT MODE)	If you receive both voice and fax calls, set your apparatus to "FAX/TAM" mode. 	**FAX/TAM Mode** ■ When you receive a fax call, ➡ the apparatus automatically receives documents. ■ When a telephone call is received, ➡ the message is recorded.
	If you receive mainly fax calls, set your apparatus to "FAX" mode. 	**FAX Mode** ■ When you receive a fax call, ➡ the apparatus automatically receives documents. ■ When a telephone call is received, ➡ the apparatus will ring once.

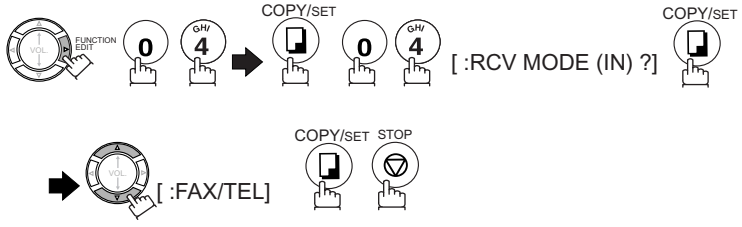
Required Setting

OUT/2WAY REC button

Set the "RCV MODE (IN)" to the "MANUAL RCV".



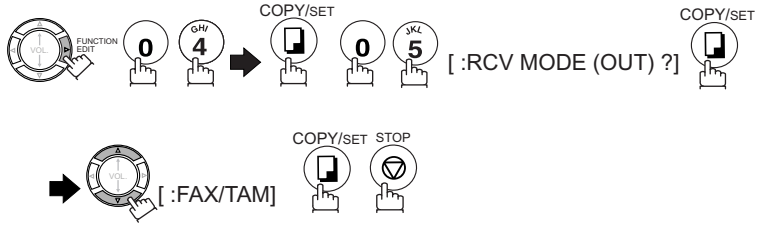
Set the "RCV MODE (IN)" to the "FAX/TEL".



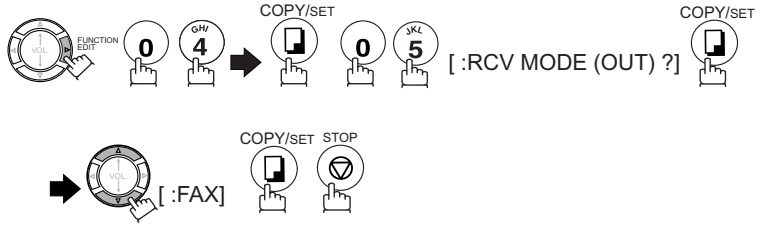
OUT/
2WAY REC

Lamp : **OFF**

Set the "RCV MODE (OUT)" to the "FAX/TAM".



Set the "RCV MODE (OUT)" to the "FAX".



OUT/
2WAY REC

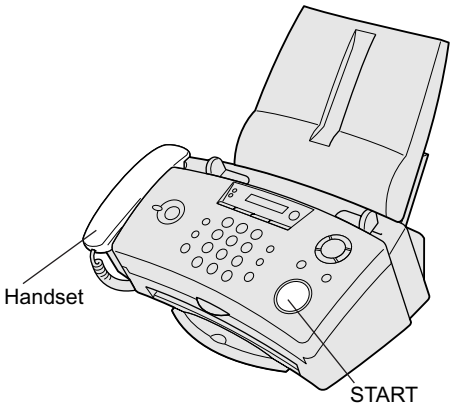
Lamp : **ON**

Receiving Documents

This section explains the 4 types of reception modes in which you can set your apparatus. (See page 38)

MANUAL RCV Mode

This mode allows you to speak to the other party before receiving a document.



1 The apparatus starts to ring.

```
PICKUP TELEPHONE
```

2

Lift up the handset and ask the other party to send the document.

```
* TELEPHONE *
```

3

Reception starts. (See note 1)

```
ON LINE * RCV *
```

4

Replace the handset. (See note 2)

■ Friendly Reception

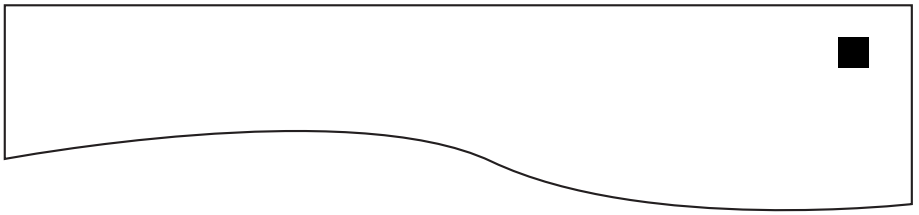
This function enables automatic fax reception even when the handset is lifted. (See notes 3, 4 and 5)

Lift up the handset when it rings. → Reception starts automatically. → Reception ends.

-Replace the handset.

Note:

A black square mark will be printed on the top right corner of the received paper for the apparatus to check the print quality. It is possible to change to not print this mark by the setting of #07 in the FAX SETTING. (See pages 81 and 84)



NOTE

1. *If a document is placed in your apparatus when you press [START], your apparatus will switch to fax transmission. To receive faxes, remove the doument and press [START].*
2. *An incoming call will be cut off when you replace the handset before pressing [START].*
3. *To use this function, set "FRIENDLY RCV" to "ON". (See pages 81 and 84)*
4. *Sometimes friendly reception is not possible if you hear noise over the handset. When this happens, press [START] to start reception.*
5. *Your apparatus will not automatically switch to reception if 30 seconds has elapsed without receiving fax tone after lifting up the handset.*

FAX/TEL Auto Switching Mode

In this mode, your apparatus automatically receives the documents when it detects a fax signal and continues to ring when it detects a telephone call. (See note)

If it is a fax call.

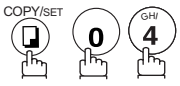
1. It will answer the call with one ring. (See notes 1 and 2)
2. Your apparatus begins to receive the documents.

If it is a telephone call.

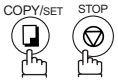
1. It will answer the call with one ring. (See notes 1 and 2)
2. It rings about 12 times. (See notes 2 and 4)
   F/T FIRST OGM is played to the other party. Finally, F/T LAST OGM is played to the other party.
   (See note 3)

Change Setting back to TEL Mode

1.

   BASIC SETTING ?
2. 

   RCV MODE (IN) ?
3.

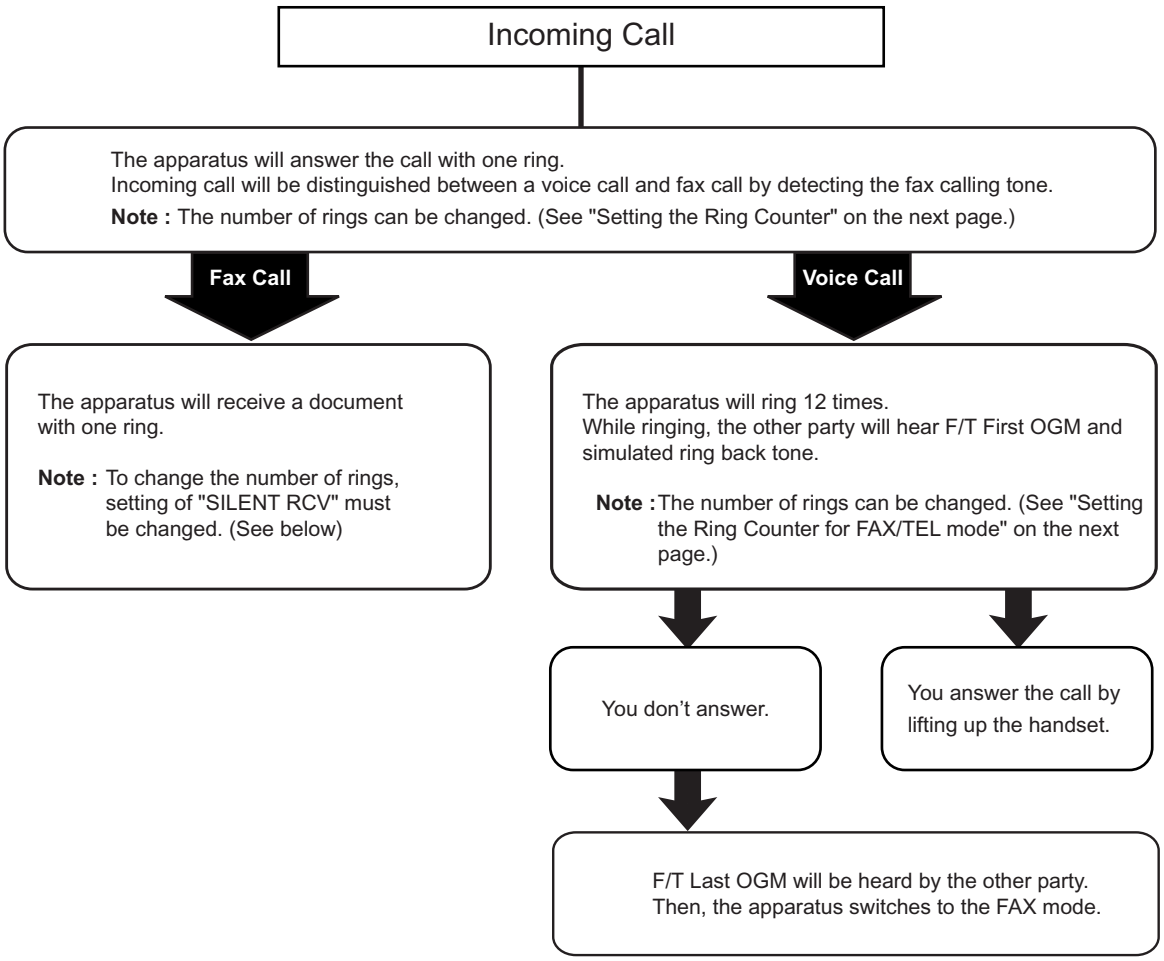
   :MANUAL RCV
4.
   :FAX/TEL
5. 

   20-MAY 15:30

NOTE

1. *Setting "RING COUNTER" is valid when the "SILENT RCV" is set to "OFF". (See pages 81 and 82)*
2. *Set the number of rings that the apparatus will alert for a telephone call. (See pages 81 and 82)*
3. *When First OGM or Last OGM is not recorded, the apparatus will send simulated Ring Back Tone. (See page 24)*
4. *If the apparatus can not detect the engaged tone, it might be changed to FAX mode.*

Receiving in the FAX/TEL Mode

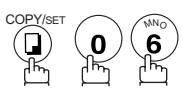

Incoming Call
The apparatus will answer the call with one ring.
Incoming call will be distinguished between a voice call and fax call by detecting the fax calling tone.
Note : The number of rings can be changed. (See "Setting the Ring Counter" on the next page.)
Fax Call
Voice Call
The apparatus will receive a document with one ring.
Note : To change the number of rings, setting of "SILENT RCV" must be changed. (See below)
The apparatus will ring 12 times.
While ringing, the other party will hear F/T First OGM and simulated ring back tone.
Note : The number of rings can be changed. (See "Setting the Ring Counter for FAX/TEL mode" on the next page.)
You don't answer.
You answer the call by lifting up the handset.
F/T Last OGM will be heard by the other party.
Then, the apparatus switches to the FAX mode.

Setting Silent Reception for the FAX/TEL, FAX/TAM, FAX Mode

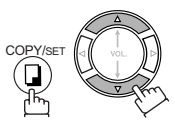
You can set your apparatus to receive documents without ringing.

1


```
BASIC SETTING ?
```

2 

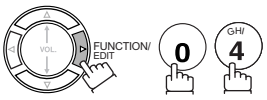

```
SILENT RCV ?
```

3 

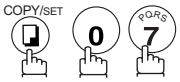

```
:ON
```

4

Setting the Ring Counter to Answer a Call

1 

BASIC SETTING ?

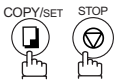
2 

RING COUNTER ?

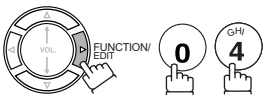
3

4
1 to 9 is available to select. (See note 1)

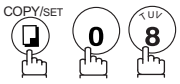
RING COUNTER :1

5 

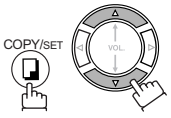
Setting the Ring Counter for FAX/TEL Mode

1 

BASIC SETTING ?

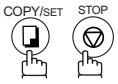
2 

F/T RING CNT. ?

3 

3, 6, 9 or 12 is available to select.

:12

4 

NOTE

1. *Ring Counter varies depending on countries.*

FAX/TAM Mode

In this mode, your apparatus automatically receives the documents if it is a fax call. If it is a telephone call, the apparatus will play the greeting message and record ICM.

If it is a fax call.

1. It will answer the call with one ring. (See notes 1 and 3)
2. Reception starts.

If it is a telephone call.

1. It will answer the call with one ring. (See notes 1 and 3)
2. TAM OGM is played.
3. When a telephone call is received, the message is recorded (max. 30 seconds). (See notes 2, 4 and 5)

FAX Mode

In this mode, the apparatus only receives fax calls.

If it is a fax call.

1. It will answer the call with one ring. (See notes 1 and 3)
2. Reception starts.

If it is a telephone call.

1. It will answer the call with one ring. (See notes 1 and 3)
2. The apparatus will not ring after one ring.

NOTE

1. *Setting "RING COUNTER" is valid when the "SILENT RCV" is set to "OFF". (See pages 81 and 82)*
2. *The recording message time can be changed. (See pages 81 and 83)*
3. *Set the number of rings that the apparatus will alert for a telephone call. (See pages 81 and 82)*
4. *If the incoming message is noisy, the recording time might be less than Max. of 15 minutes.*
5. *If the apparatus can not detect the engaged tone, it might be changed to FAX mode.*

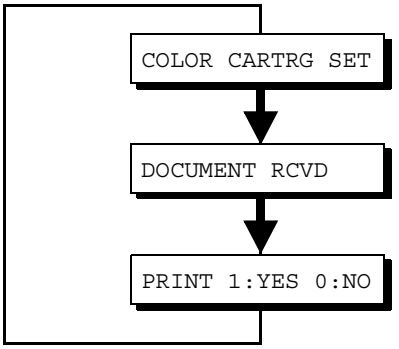
Receiving Documents Using a Colour Cartridge

This apparatus cannot print out received documents if a colour cartridge is installed. To print out, please replace it with a black cartridge. It is not our recommendation but should you wish to print out received documents using a colour cartridge, please follow the procedure below. Please note that the printing process may be longer than when using a black cartridge and the printing quality may not be as high.

1 Documents are received automatically.

Incoming call will not be answered while the display is showing "PRINT 1:YES 0:NO".

If "0" is entered, the apparatus shows "INSTL BLK CARTRG" to advise replacing the cartridge.

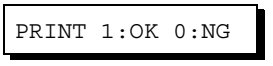


2 1 to print out. (See note 1)

3 1 to confirm. (See note 2)

or

0 if print quality is not good.



4 Repeat operation from step 2 to step 3 until all received documents are printed out.

NOTE

1. *Press [STOP] to cancel printing operation.*
2. *Documents will be deleted from memory after printout.*
3. *If setting "OUT OF INK MARK" in the FAX SETTING is set to "OFF", received document will be printed out automatically without any operation even if empty Colour Cartridge was installed. This may result in the printing of a blank page.*

Distinctive Ring Detector (DRD)

This function is only effective for Hong Kong (DUPLEX), Singapore (DISTINCTIVE RINGING) and New Zealand (FAX ABILITY).

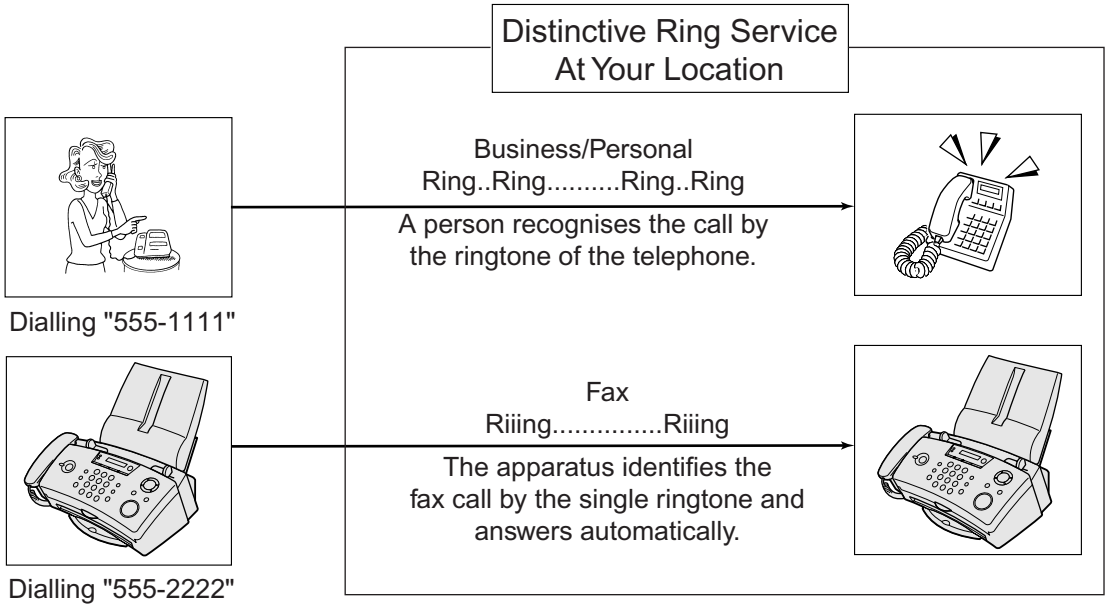
Your apparatus has a special feature in conjunction with an optional service provided by many local telephone companies. It can distinguish up to 2 telephone numbers with a corresponding ring pattern identifying each number. "DRD" provides you with multiple telephone numbers: one number for your fax and another for your business or personal use.

To set or cancel the function, follow the procedure on the next page.

The following table shows a typical example with 2 telephone numbers on a single telephone line.

Telephone No.	Usage	Distinctive Ring Sound	Ring Pattern
555 - 2222	Fax	Riiing.....Riiing.....	Single Ring
555 - 1111	Business	Ring...Ring.....Ring...Ring.....	Double Ring

The following illustration shows a typical set-up in your apparatus to detect the double ring pattern.



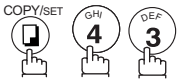
NOTE

1. *"Riiing" means a long ringing sound and "Ring" means a short ringing sound.*

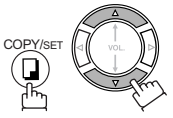
■ To set or cancel DRD

1

BASIC SETTING ?

2 

DRD ?

3 

to select “ON” to set DRD or “OFF” to cancel DRD.

:OFF

or

:ON

4

20-MAY 15:30

To return to standby, press [STOP].

● Request the following Ringtones from your local telephone company.

Hong Kong	DUPLEX RINGING	Single Ring	Double Ring
		Fax	TEL or TAM
Singapore	DISTINCTIVE RINGING	Single Ring	Double Ring
		Fax	TEL or TAM
New Zealand	FAX ABILITY	Fax Ringer	Primary Ringer
		Fax	TEL or TAM

Digital Telephone Answering System

Setting the TAM (Before you leave home or office)

1

to turn ON the OUT/2WAY REC lamp.

2 The apparatus plays the OGM.

```
PLAYBACK OGM
```

Resetting the TAM (After you have returned home or to the office)

1 The [OUT/2WAY REC] button will blink when a new ICM is recorded.

2


```
01 SUN 15:00 05
```
Current ICM Total ICM

Your apparatus plays the new ICM(s).
The display shows the recorded time for each ICM.

3

to delete ICM.

```
START TO ERASE
```

or

to return to standby.

NOTE

1. *When the apparatus displays "MEMORY FULL 870", please erase ICM.*
2. *When you want to receive a call while playing the ICM, press [STOP]. The display will show "PICKUP TELEPHONE". Lift up the handset to talk.*
3. *To cancel ICM playback midway, press [STOP].*
4. *If nothing is done while playing an ICM for 5 seconds, the message will be kept in the memory. You can play back the ICM anytime by following the steps on page 49.*
5. *The recording time for ICM can be changed. (See pages 81 and 83)*
6. *If the incoming message is noisy, the recording time might be less than Max. of 15 minutes.*
7. *If the apparatus can not detect the engaged tone, it might be changed to FAX mode.*

Buttons Used to Activate Functions for Messages

Use buttons to activate the following functions.

REPLAY	Play from the first ICM.
1	Play the previous ICM.
3	Play the next ICM.
SLOW 7	Play the ICM slowly.
FAST 9	Play the ICM quickly.
ERASE 0	Erase the current ICM.

Erase all ICMs

1

repeatedly until your request is displayed.

```
ERASE MESSAGE ?
```

2


```
START TO ERASE
```

3

Erase one ICM at a Time

You can choose to erase an ICM one at a time.

1 Select the ICM to be erased.

```
01 TUE 14:23  05
```

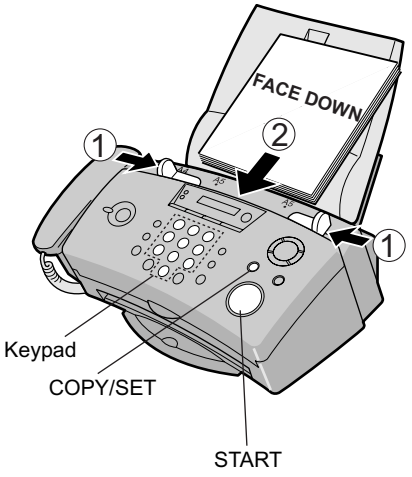
2

while playing the ICM.

3 To erase next ICM, continue from step 2. To quit, press [STOP].

Making Copies

This function provides single or multiple photocopies. When copying, you can select the Contrast, Resolution and Halftone (See page 35).



1 Load the documents on the ADF.

① Adjust the Document Guides.

② Place the documents FACE DOWN (max. 20 pages).

2 COPY/SET

```
NO. OF COPY = 01
```

3 Enter the number of copies.

E. g. : 0 9 (max. 99)

```
NO. OF COPY = 09
```

4 START

The apparatus stores the document, then prints out the copies.

```
* STORING *
```

```
* COPY *   01/09
```

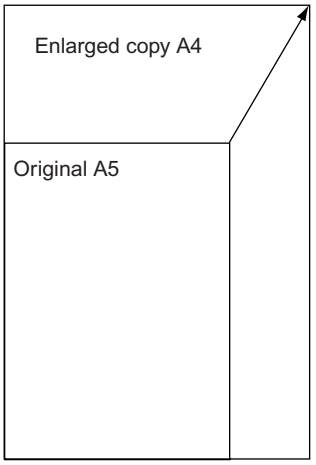
NOTE

1. *It is not available to select Standard resolution for making copies.*

Enlargement Copy

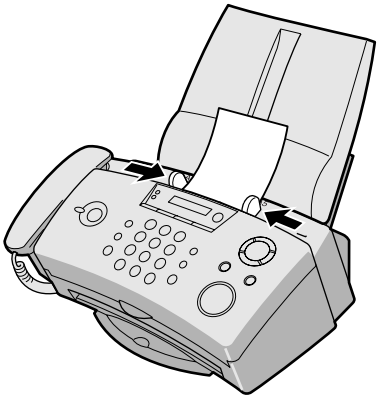
■ Enlargement Copy

This function allows you to enlarge an A5-sized document to an A4-sized photocopy.



1 Set document(s) FACE DOWN on the ADF and adjust the Document Guides.

DOCUMENT SET



2 COPY/SET

NO. OF COPY = 01

3

ENLARGE COPY ?

4 START

The apparatus stores the document, then prints out the copies.

* STORING *

NOTE

1. *It is not possible to make multiple copies by Enlargement Copy.*

Printer Mode

You can use this apparatus as a printer. To prepare to use, follow the procedure below. For colour printing, please purchase Colour Ink Cartridge from the place where you bought the apparatus or an office supplies store.

1 Turn "OFF" the power on the PC and unplug the apparatus.

2 Remove the Parallel Port Cap from the apparatus.

3 Connect the 36-pin Centronics male end of the cable to the Parallel Port on the fax apparatus.

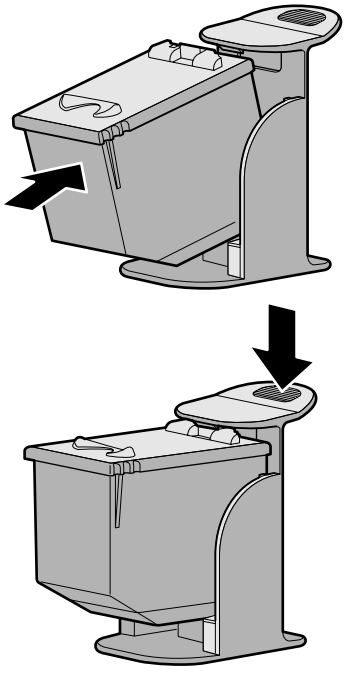
4 Connect the DB-25 male end of the cable to the Parallel Port on your PC.

5 Turn "ON" the power on the PC and plug in the apparatus, and select the old cartridge or a new one.

6 PRINTER to switch the apparatus to the Printer Mode.

```
PRINTER MODE
```

7 Install Printer Driver Software to your PC while referring to its Quick Start Guide.



■ When you replaced Black Ink Cartridge with Colour Ink Cartridge, please keep the replaced Ink Cartridge in the Cartridge Holder as illustrated.

■ Press the holding tab to remove the Ink Cartridge.

NOTE

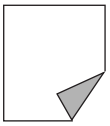
1. *When you switched the apparatus to the Printer Mode, documents will not be received. (The apparatus rings for incoming calls.) To receive documents, press [PRINTER] to switch it back to serve as a fax.*
2. *Printer Mode will be switched to fax if no action was taken by the PC for 10 minutes.*

Timer Controlled Communications

Deferred Transmission

You can set a time (one timer) to send a document to one or multiple stations (max. 50 stations) within the day.

1



Set document(s) FACE DOWN on the ADF and adjust the Document Guides.

DOCUMENT SET

2

SET ?

3

TIME = ■ :

4 Enter the desired start time using the dial keypad.
(Use a 4-digit, 24-hour clock.)

E. g. : 2 3 3 0 (11:30 p.m.) COPY/SET

ENTER STATION(S)

5 Enter the telephone number. (Manual Dialling)

E. g. : 1 2 3 4 5 6 7 8 9

123456789

Also, documents can be transmitted by any of the following combinations except Manual Dialling:
(Deferred Multi-station Transmission)

- Directory Search Dialling (See page 31)
- Abbreviated Dialling (See page 32)

E. g. : COPY/SET ABBR 1

6

* STORING *

20-MAY 15:30

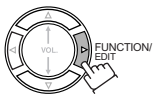
DEFER.XMT 23:30

NOTE

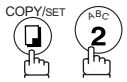
1. *If you make a mistake in step 4, press [CLEAR] then re-enter the correct time.*
2. *To cancel the Deferred Communication setting, see page 54.*
3. *You cannot register or change a telephone number for Abbreviated dialling and Directory dialling when deferred multi-station transmission is set.*

Timer Controlled Communications

■ Confirm Deferred Transmission

1 

DEFERRED XMT ?

2 

CONFIRM ?

3

TIME = 23:30

4

(See note 1)

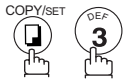
(station name)

5

■ Cancel Deferred Transmission

1

DEFERRED XMT ?

2 

CANCEL ?

3

START TO CANCEL

4

DELETED

NOTE

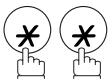
1. *If you set more than one destination, press [∧] or [∨] to confirm.*

Remote Reception/ Setting TAM from Remote Station

Remote Reception

If you have an extension telephone connected to the same line, when a fax call is received via extension telephone, the documents can still be received if you follow the steps below.

1 Answer a call on an extension telephone. If you hear beep "Pi,Pi,", the other party wishes to send you a fax,

2  within 30 seconds after lifting up the handset.

3 Replace the handset. Fax reception starts.

Setting TAM from Remote Station

If you forget to set your apparatus to activate TAM, you can set it remotely. You must preset "REMOTE PASSWORD" in TAM SETTING (See page 83), "IN/OUT REMOTE SET" to "ON" in TAM SETTING (See page 83) and "RCV MODE (OUT)" to "FAX/TAM" in BASIC SETTING (See page 82) in advance.

When "MANUAL RCV" at "RCV MODE (IN)" is set:

1 Call your apparatus from a remote location.

2 Your apparatus will answer after 15 rings.

3

and after you hear a long beep, dial the Remote Password and [#] button within 10 seconds. (You must use Tone dialling.)

E. g. : (1) (2) (3) (4) (#)

4 Replace the handset.

When "FAX/TEL" at "RCV MODE (IN)" is set:

1 Call your apparatus from a remote location.

2 Your apparatus answers.
When you hear the greeting message or ring back tone,

3

and after you hear a long beep, dial the Remote Password and [#] button within 10 seconds. (You must use Tone dialling.)

E. g. : (1) (2) (3) (4) (#)

4 Replace the handset.

NOTE

1. *Remote reception is not possible when a call is currently made from your apparatus.*
2. *When system setting "REMOTE RCV" is set to "OFF", remote reception is not possible. (See pages 81 and 84)*
3. *Remote reception may not be possible when dialling tones are heard at that instant the buttons are pressed.*

Memo/2Way Recording

About Memo/2Way Recording

If you are going out and you want to leave a private message for someone, you can record it in your apparatus. It can then be played back directly or remotely, the same as any other incoming messages.

■ Recording a Memo Message

1

MEMO RECORDING ?

2

PRESS START

3

* RECORDING * 03

Speak towards MIC on the Control Panel from a distance of approximately 20 cm.

4

to stop the recording.

■ 2-way Conversation Recording

While you are speaking with someone on the telephone, you can record your conversation for a later reference. It can be played back directly or remotely. (See note 4)

1 During your conversation

2

to start the recording.

* RECORDING * 03

3 Continue your conversation.

RECORDED

4

to stop the recording.

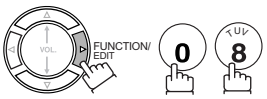
NOTE

1. *Memo Message: A message can be recorded through the built-in microphone.*
2. *2-way Recording: Conversation over the telephone can be recorded for a later reference.*
3. *A warning tone (pu..pu..) may be heard while the conversation is recorded. This may be due to the regulation of the government.*
4. *While you are talking over the speakerphone, 2-way Recording is not available.*

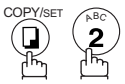
Voice Message Transfer

This function provides the ability to transfer ICMs to a remote telephone while you are out. After an ICM is recorded, the apparatus will call to the telephone to which you have assigned. You can listen to the ICM after entering the Remote Password on a touch tone telephone. Remote Password must be set in TAM SETTING in advance (See page 59).

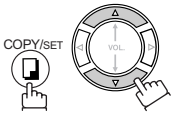
Setting the Voice Message Transfer

1 

TAM SETTING ?

2 

ICM TRANSFER ?

3 

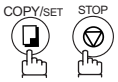
:ON

4

TEL:■

5 Enter the telephone number (max. 36 digits).

TEL:123456789■

6 

Operation of Voice Message Transfer

1 After a message is recorded, your apparatus starts to dial the assigned telephone number.

2 When you answer the call, you will hear a series of tone “Pi,Pi,Pi,”.

3

and dial the Remote Password within 10 seconds. (You must use Tone dialling.)

E. g. : (1) (2) (3) (4) (#)

4 You will hear the message.

5 Replace the handset after listening to the message.

NOTE

1. *The telephone line will be disconnected if you enter the wrong password 3 times in succession.Your apparatus will redial 2 times automatically if the line is busy.*
2. *If you use mobile telephone, this function may not work correctly due to line quality.*

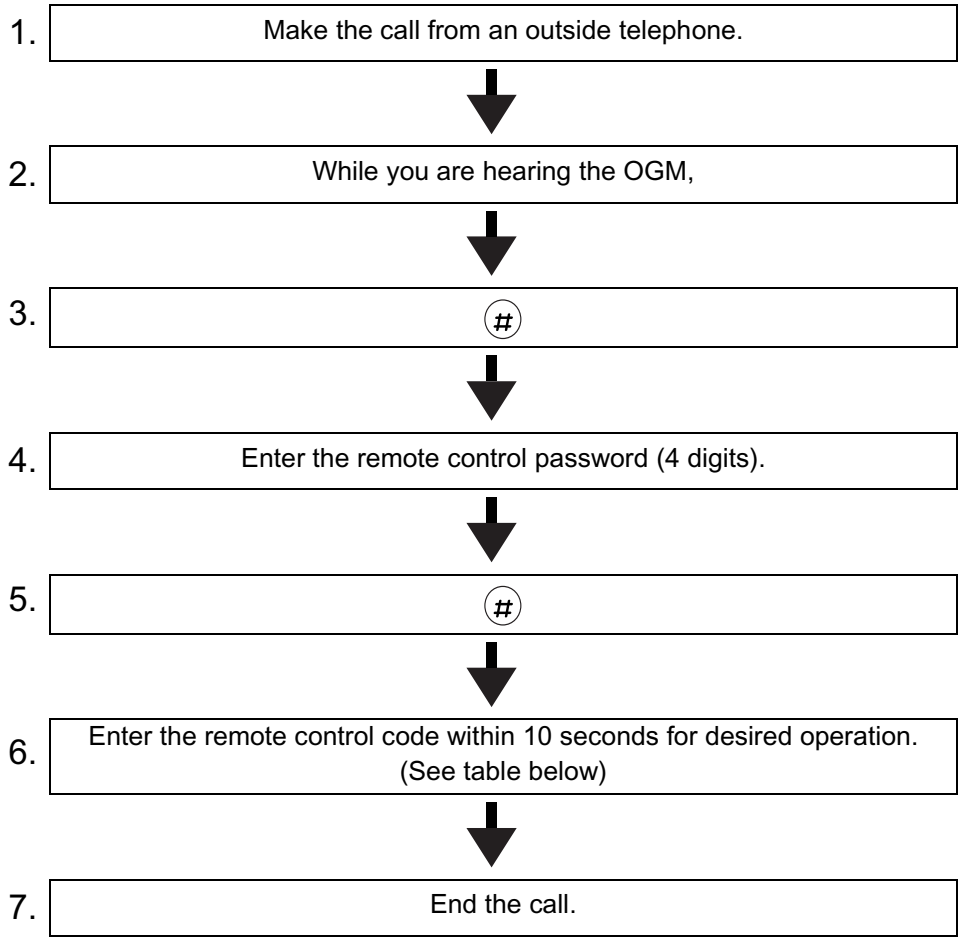
Remote Function

About Remote Function

You can make calls from remote location to play back or erase messages. To use this function, you must use tone dialling.

The remote control password is required for remote control operations. Make sure the password is already registered. (See page 59)

Also, make sure that your apparatus is set to either "FAX/TEL" or "FAX/TAM" modes. (See pages 42 and 44)



Remote Function Table

Remote Control Code	Operation Item
1	Play back the previous message.
2 #	Play back messages.
3	Play back next message.
6 #	Erase all messages.

NOTE

1. *When playing back messages, press [#] before ending the call.*
2. *The call will be cut off if the remote control password is not entered within 10 seconds at step 4.*
3. *To cancel the current remote control operation or if some trouble occurs, press [#]. Resume operation from step 6.*
4. *If you use mobile telephone, this function may not work correctly due to line quality.*

Registering the Remote Control Password

The remote control password must be registered before carrying out remote control operation.

1

TAM SETTING ?

2

REMOTE PASSWORD?

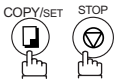
3

:■

4 Enter the remote control password (4 digits).

E. g. : 5 6 7 8

:5678

5 

20-MAY 15:30

NOTE

1. *To quit registration, press [STOP].*

Caller ID

This function may only be available in certain countries, such as Singapore, Hong Kong, Indonesia, New Zealand. To check availability of this function, please contact the sales personnel to whom you purchased from or local Panasonic sales company.

In order to use this function, you must apply this service at your local telephone company.

You can confirm caller's telephone number on the display before taking a call. This function allows you to screen your calls. To enable this function, you need to change Caller ID setting in the BASIC SETTING in advance. (See pages 81 and 82) When the apparatus receives a call, the LCD display will show the Caller's telephone number as shown below.

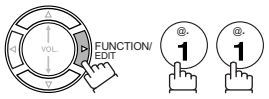
```
1234567890123
```

(See note page 61)

Caller ID List

You can confirm caller's information on the display and either erase or register it to fax directory or Black List, or dial to displayed station.

■ Dialling to displayed station

1 


```
CALLS LIST ?
```

2


```
CALLED HISTORY ?
```

3

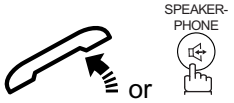

```
*1)123456789
```

(See note 1 page 61)

4

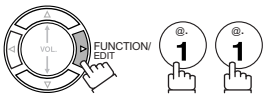
```
(2)MGCS
```

(See note 2 page 61)

5 

The apparatus starts to dial.

■ Deleting all caller's information

1 


```
CALLS LIST ?
```

2

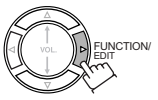

```
CALLED HISTORY ?
```

3


```
*1)123456789
```

4

```
(2)MGCS
```

5 


```
REGISTER ?
```

6

```
DELETE ?
```

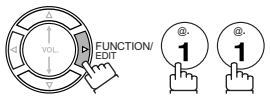
7


```
START TO DELETE
```

8


```
DELETED
```

■ Registering displayed station to Fax Directory

1 


```
CALLS LIST ?
```

2


```
CALLED HISTORY ?
```

3


```
*1)123456789
```

4


```
REGISTER ?
```

5


```
    STATION NAME
```

6 Enter station name. (See page 20)

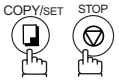
7


```
PANASONIC
```

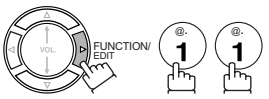
8

to confirm telephone number.

```
123456789
```

9 

■ Registering displayed station to Black List

1 


```
CALLS LIST ?
```

2


```
CALLED HISTORY ?
```

3


```
*1)123456789
```

4


```
REGISTER ?
```

5

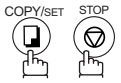
```
BLACK LIST REG.?
```

6


```
NO. =     ■
```

7 Enter Blacklist number (2 digits (01 to 10)) and then press [COPY/SET].

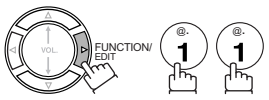
```
(02)123456789
```

8 

NOTE

1. *"⁎" mark in the display indicates displayed station has not been confirmed.*
2. *If the Caller ID number matches with the registered telephone number in the ABBR dialling directory or Directory Search dialling directory, the registered Station Name is displayed. If not, the Caller ID number is displayed.*
3. *The LCD can display the reason why the telephone number is not displayed (i.e. "NUMBER WITHHELD" or "NO. UNAVAILABLE", etc.).*

■ Deleting a displayed station

1 

CALLS LIST ?

2

CALLED HISTORY ?

3

*1)123456789

4

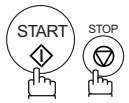
(2)MGCS

5

DELETE ?

6

START TO DELETE

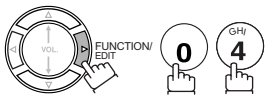
7 

Blacklist

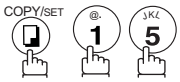
By registering telephone number of unwanted call into Blacklist, the apparatus will not ring if the Caller ID number matches with Blacklist.

To register the Caller's telephone number into Blacklist (After Communication)

You can manually register the Caller's telephone number into Blacklist with the following method.

1 


```
BASIC SETTING ?
```

2 


```
BLACK LIST REG.?
```

3


```
NO. =     ■
```

4 Enter the Blacklist number with 2 digits (01 to 10).

```
NO. = 02
```

```
(02)TELEPHONE NO
```

5 Enter the telephone number (up to 20 digits).

E. g. :

6

To record another number, repeat steps 4 to 6.
To return to standby, press [STOP].

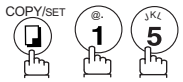
Changing the Caller's Telephone Number in Blacklist

If you need to change any of the Caller's telephone number in the Blacklist, follow the steps below:

To change the Caller's telephone number in the Blacklist

1


```
BASIC SETTING ?
```

2 


```
BLACK LIST REG.?
```

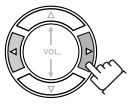
3


```
NO. =
```

4 Enter the Blacklist number.

E. g. : (0) (ABC 2) (01 to 10)

```
(02)55512345678
```

5  to move the cursor to the incorrect number and press [CLEAR].

6 Then enter a new telephone number. (See notes 1 and 2)

E. g. : (MNO 6)

```
(02)66512345678
```

7

To change another number, repeat steps 4 to 7.
To return to standby, press [STOP].

NOTE

1. *If you require a special access number to get to an outside line, enter it first and then press [REDIAL/PAUSE]. A hyphen "-" is displayed for pause.*
2. *Use [SPEAKERPHONE] to enter a space between the numbers to make it easier to read.*

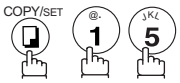
Erasing the Telephone Number in Blacklist

If you need to erase any of the telephone number in the Blacklist, follow the steps below:

To erase the Caller's telephone number in the Blacklist

1

BASIC SETTING ?

2 

BLACK LIST REG.?

3

NO. = ■

4 Enter the Blacklist number.

E. g. : 0 ABC 2 (01 to 10)

(02)12345678

5

repeatedly to delete all numbers.

(02)■

6

To erase another number, repeat steps 4 to 6.
To return to standby, press [STOP].

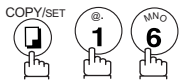
Selecting Caller Type

You can pre-set the registered station in the directory of ABBR dialling and Directory Search dialling as a voice call (TEL) station or a fax call (FAX) station.

If the Caller ID number matches with registered ABBR dialling number or the Directory Search dialling number, the pre-set caller type (Voice Call or Fax Call) is distinguished and documents are received without ringing if it is a fax call, or with ringing if it is a voice call.

1

BASIC SETTING ?

2 

CALLER TYPE ?

3

SELECT TEL NO.

4 Select required station from ABBR dialling numbers or Directory Search dialling numbers.
If the station name has not been registered to the selected station, telephone number will be displayed in stead.

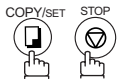
PANASONIC

5

:TEL

6

:FAX

7 

NOTE

1. *To quit setting midway, press [STOP].*
2. *When you choose "TEL" setting, it rings 5 times and receives documents by current receiving setting.*
3. *When you choose "FAX" setting, it receives documents without ringing regardless of current receiving setting.*

INTERNET COMMUNICATION

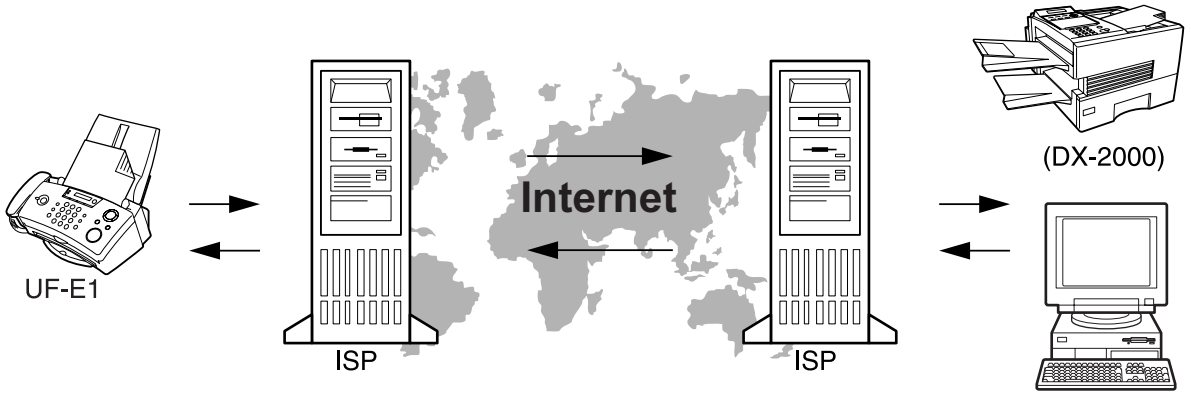
This apparatus offers the user an Internet function which provides a cheaper mode of communication to send or receive a document. With this enhanced feature, the user could easily interface with either another fax apparatus or a personal computer for communication.

To utilise this function, the user has to, first of all, subscribe to an Internet Service Provider (ISP) which will register and provide the user with the following:

1. User Name or User ID	Preferred login name for connection and POP server
2. Password	Given password for connection and POP server
3. ISP Telephone Number	Connect to ISP
4. E-mail Address	Username@XXXXX.XX.XX Domain Name
5. SMTP Server Name	Given SMTP Server Name
6. POP3 Server Name	Given POP3 Server Name
7. DNS Number	Given Primary and Secondary DNS number

The above information is pre-requisite in registering the Internet Function in this apparatus (See pages 73 to 75). The configuration must be established before any Internet communication.

Internet Overview (Fax via Internet)



UF-E1 can only read files transmitted in TIFF (Tagged Image File Format), which is primarily a graphic file. Once the apparatus receives TIFF file, it will be stored into memory and printed out automatically when reception completes. However, you can view this document in the personal computer. To do this, the user has to download a viewer software from the website via a personal computer and convert the documents. The address of the website is

http://www.panasonic.co.jp/mgcs/download/uf-e1

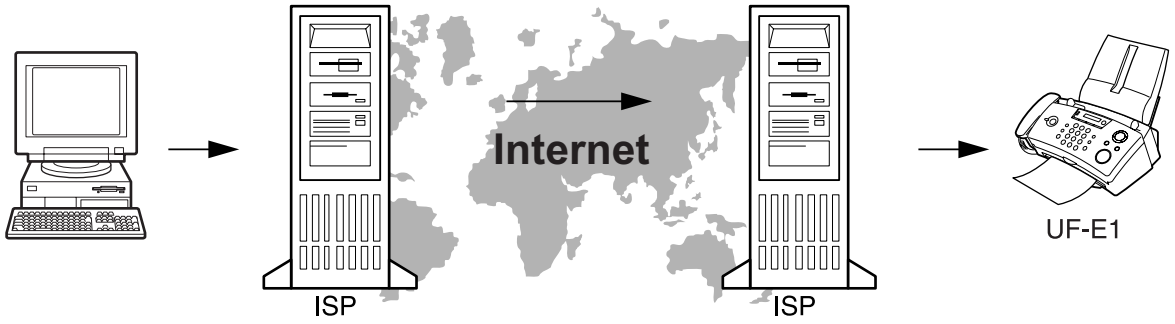
All i-FAX apparatus accept and recognise only TIFF documents. Any documents other than TIFF type, for instance, BMP, IPG, GIF, TXT, DOC, XLS, etc., are received, an error message will be printed out to alert the recipient. (See page 72). In this situation, the recipient has to inform the sender to convert his documents to TIFF format before transmission. The converter software can be downloaded from the following website:

http://www.panasonic.co.jp/mgcs/download/uf-e1

NOTE

1. *When you convert documents created by MS-WORD etc., do not select 400 × 400 dpi resolution. UF-E1 cannot receive documents in 400 x 400 dpi resolution.*
2. *UF-E1 does not accept document files (TIFF files) created in 400 × 400 dpi resolution or A3 size.*

Internet Overview (Message via Internet)



Electronic mails or e-mails can be received by the apparatus, transmitted via a personal computer or e-mail-enabled fax apparatus. This apparatus only supports ISO-8859-1 characters (see below). All i-FAX apparatus accept and recognise only TIFF documents. Any documents other than TIFF type, for instance, BMP, IPG, GIF, TXT, DOC, XLS, etc., are received, an error message will be printed out to alert the recipient. (See page 72). In this situation, the recipient has to inform the sender to convert his documents to TIFF format before transmission. The converter software can be downloaded from the following website:

http://www.panasonic.co.jp/mgcs/download/uf-e1

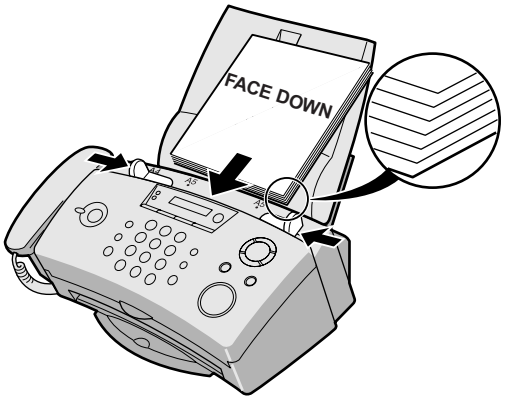
Printable Characters (ISO-8859-1)

ISO 8859-1 character set

	!	“	#	$	%	&	‘	(	)	*	+	,	-	.	/
0	1	2	3	4	5	6	7	8	9	:	;	<	=	>	?
@	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
P	Q	R	S	T	U	V	W	X	Y	Z	[	\	]	^	_
‘	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o
p	q	r	s	t	u	v	w	x	y	z	{	|	}	~	
	¡	¢	£	¤	¥	¦	§	¨	©	ª	«	¬	-	®	¯
º	±	²	³	´	µ	¶	·	¸	¹	º	»	¼	½	¾	¿
À	Á	Â	Ã	Ä	Å	Æ	Ç	È	É	Ê	Ë	Ì	Í	Î	Ï
Ð	Ñ	Ò	Ó	Ô	Õ	Ö	×	Ø	Ù	Ú	Û	Ü	Ý	Þ	ß
à	á	â	ã	ä	å	æ	ç	è	é	ê	ë	ì	í	î	ï
ð	ñ	ò	ó	ô	õ	ö	÷	ø	ù	ú	û	ü	ý	þ	ÿ

Note that the characters tabulated are acceptable and recognised by this apparatus. Any other characters cannot be detected and therefore will not be printed legibly by this apparatus.

Sending/Receiving Documents via Internet



Sending Documents

1 Set the document(s) FACE DOWN on the ADF and adjust the Document Guides.

```
DOCUMENT SET
```

2 INTERNET

```
ENTER STATION(S)
```

3 (See note 3)

```
PANASONIC
```

or

ABBR, @. 1

```
MGCS
```

(You need to register E-Mail address in advance. See pages 76 and 77.)

4 START

The apparatus starts to dial the ISP telephone number.

■ Automatic Redialling

If the line is busy, your apparatus will redial the number up to 2 times at 3 minute interval. During that time, a message will appear as shown on the right. If the line is still busy after the last try, a message "REDIAL OVER" will appear as shown on the right and your apparatus will print a COMM. Journal depending on the FAX SETTING. (See pages 81 and 84)

```
5551234
```

↓ ↑

```
WAITING TO DIAL
```

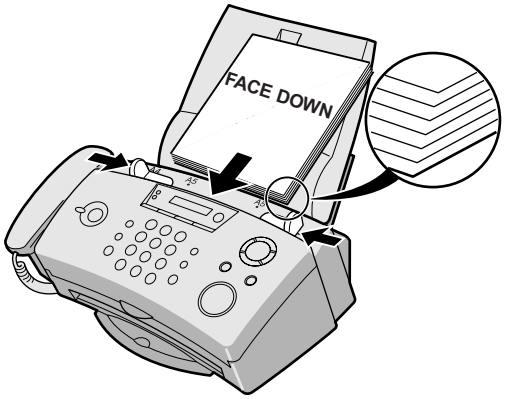
```
REDIAL OVER   630
```

NOTE

1. *To stop the transmission, press [STOP].*
2. *If the transmission cannot be completed for any reason, the e-mail may be returned undelivered, otherwise no reply will be printed.*
3. *E-Mail address can be entered directly from the dial keypad at step 3 for transmission.*

Sending/Receiving Documents via Internet

Multi-station Transmission enables the sender to transmit the same document to multiple stations without having to load document for every transmission. This can be done simply by storing the document into memory and selecting the intended stations one at a time. (Max. 50 stations)



Multi-station Transmission

1 Set the document(s) FACE DOWN on the ADF and adjust the Document Guides.

```
DOCUMENT SET
```

2 INTERNET

```
ENTER STATION(S)
```

3 Select required stations by any combination of the following methods. (See note 2)

- Abbreviated Dialling
- Directory Search Dialling

E. g. : ABBR, 7 (PQRS), COPY/SET, VOL, VOL, COPY/SET

```
PANASONIC
```

```
ENTER STATION(S)
```

(When entering a station for Abbreviated Dialling or Directory Search Dialling, press [COPY/SET] after each station is entered.)

4 START

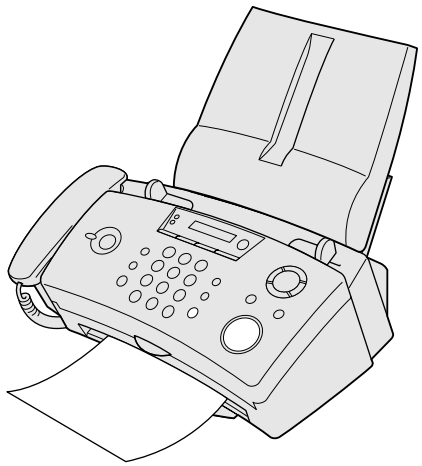
```
* STORING *
```

The document is stored into memory and then the apparatus starts to dial the ISP telephone number.

NOTE

1. *To stop the transmission, press [STOP].*
2. *It is not possible to set E-Mail addresses with fax stations.*
3. *If the transmission cannot be completed for any reason, the e-mail may be returned undelivered, otherwise no reply will be printed.*
4. *You can review the stations you have entered in step 3 before storing your document into memory by pressing [∧] or [∨]. Press [CLEAR] to clear an entered station shown on the display, if necessary.*

You can dial out manually to Internet Service Provider to check if electronic mails or fax documents have been stored in your e-mail account.



Receiving Documents

1 INTERNET

```
MAIL CHECK ?
```

2 START

3 The apparatus will dial to Internet Service Provider and receive messages or documents automatically.
If the apparatus fails to receive message or documents, an error message will be printed. (See page 72)

■ Auto-Dialling Function

You can preset timings (max. 10 times) to dial out to ISP to receive e-mails automatically by the apparatus. Follow the procedure below.

1 FUNCTION/EDIT, 1, 2

```
i-FAX SETTING ?
```

2 COPY/SET, 5

```
RCV SETTING ?
```

3 COPY/SET

```
PRINT TEXT ?
```

4

```
AUTO-POP DIAL ?
```

5 COPY/SET

```
:OFF
```

6

```
:ON
```

7 COPY/SET

```
TIME =    ■ :
```

8 Enter required time to dial ISP.

E. g. :23:30

```
TIME =    23:30
```

9 COPY/SET

```
TIME =    ■ :
```

10 STOP

to return to standby or go to step 8 to enter next schedule.

```
20-MAY 15:30
AUTOPOP DIAL SET
```

NOTE

1. *Electronic mails will be received into memory and printed out only when the conditions apply. (See page 79)*
2. *It may take due time for the apparatus to identify whether the attached file is in TIFF format depending on its file size. If it is not in TIFF format, the apparatus will print an error message.*
3. *If you stop receiving documents, you may not be able to receive it for a while due to ISP's recovery time.*

i-FAX Error Messages

There are various situations that could result in the printing of error message journals in this apparatus. This happens when the apparatus detects incompatibility of characters, wrong file formats and memory overflow. The following conditions are to be noted.

Printed Warning Messages	Description	Advice
[The attached files cannot be printed out by I-FAX. The attached files have been deleted from server, please contact sender, if necessary. This email has an attached file which is not supported by Internet FAX. Inform originator to re-send the attachment in the TIFF-file format. TIFF-F Converter (Windows Printer Driver) can be downloaded from the following URL address: http://www.panasonic.co.jp/mgcs/download/uf-e1]	E-mails with unrecognized file format, e.g. Word, Excel etc. i-FAX only recognizes TIFF files.	Message receives when "DEL POP ERR MSG" is turned "ON". The attached files are deleted from server. Inform sender to convert files to TIFF format and transmit again (See page 67). Another alternative is to ask sender to transmit again and retrieve them using a personal computer.
[The attached files cannot be printed out by I-FAX. This email has an attached file which is not supported by Internet FAX. Inform originator to re-send the attachment in the TIFF-file format. TIFF-F Converter (Windows Printer Driver) can be downloaded from the following URL address: http://www.panasonic.co.jp/mgcs/download/uf-e1]		Message receives when "DEL POP ERR MSG" is turned "OFF". The attached files are stored in server. Retrieve them using a personal computer.
[All attached files cannot be printed out due to memory overflow. As the attached files have been deleted from server, please contact sender if necessary]	Memory Overflow (The apparatus started to receive with space in memory and then memory overflow occurred.)	Message receives when "DEL POP ERR MSG" is turned "ON". The attached files have been deleted from server.
[All attached files cannot be printed out due to memory overflow]		Message receives when "DEL POP ERR MSG" is turned "OFF". The attached files are stored in server. Retrieve them using a personal computer.
[I-FAX does not have full capacity to receive the rest of files. Please delete ICM or print out documents stored in memory]	Memory Overflow (The apparatus started to receive without space in memory and then memory overflow occurred)	Delete ICM or print out the documents stored in memory and try it again.
[Unrecognized character types received, cannot print out correctly]	Message with unrecognized characters (characters other than ISO8859-1 type)	
[Deleted E-mail text]	Occurs when "PRINT TEXT" is turned "OFF".	

NOTE

1. *Setting for "DEL POP ERR MSG" and "PRINT TEXT" can be changed in the RECEIVE SETTING. (See page 79)*

Programming Internet Parameters

Configuring Network Connection

1


```
i-FAX SETTING ?
```

2 COPY/SET
2 times

```
CONNECTION ?
```

3 COPY/SET

```
ISP TEL NO. ?
```

4 COPY/SET

```
■
```

5 Enter ISP telephone number. (Max. 36 digits) (See notes 1 and 2)

E. g. : SPEAKER-PHONE 7 8 9 6 5 4 6

```
789 6546■
```

6 COPY/SET

```
USER ID ?
```

7 COPY/SET

8 Enter the User ID. (Max. 40 digits per entry using US-ASCII)
(See page 74) (See notes 1 and 2)

E. g. :jack@panasonic.com

```
ck@panasonic.com
```

9 COPY/SET

```
PASSWORD ?
```

10 COPY/SET

Enter the password. (Max. 20 digits per entry using US-ASCII) (See notes 1 and 2)

E. g. :abcd

```
PASSWORD=abcd
```

11 COPY/SET

```
PRIMARY DNS ?
```

12 COPY/SET

Enter Primary DNS number.
(See notes 3 and 4)

E. g. :202 224 128 006

```
202.224.128.006
```

13 COPY/SET

```
SECONDARY DNS ?
```

14 COPY/SET

Enter Secondary DNS number.
(See notes 3 and 4)

E. g. :202 224 128 050

```
202.224.128.050
```

15 COPY/SET

```
ISP TEL NO. ?
```

16

```
CONNECTION ?
```

17

```
MAIL SETTING ?
```

to continue registration, refer to page 75, step 4, or press [STOP] to return to standby.

NOTE

1. *To correct entered data, move the cursor to required character and press [CLEAR]. Enter correct number or character.*
2. *To delete entered data, press [CLEAR] repeatedly until all characters are deleted.*
3. *If Primary and Secondary DNS numbers are not required, press [COPY/SET].*
4. *To correct entered data, move the cursor to required position and overwrite 3-digit number.*

Entering Characters

Enter characters using each button (1 to 0 * #). Select the characters according to the following table.

Character Inputs for E-mail Address, User ID, server name, subject, etc.

Buttons	Character String																					
	Number of times buttons pressed																					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	@	.	–	_	$	%	&	=	~	^	1											
2 ABC	a	b	c	A	B	C	2															
3 DEF	d	e	f	D	E	F	3															
4 GHI	g	h	i	G	H	I	4															
5 JKL	j	k	l	J	K	L	5															
6 MNO	m	n	o	M	N	O	6															
7 PQRS	p	q	r	s	P	Q	R	S	7													
8 TUV	t	u	v	T	U	V	8															
9 WXYZ	w	x	y	z	W	X	Y	Z	9													
0	(	)	,	\	;	:	⩵	#	/	+	[	]	”	’	?	!	|	<	>	{	}	0
SPEAKER-PHONE	space																					

E. g. :jack.S

5 JKL : j

2 ABC : a

: c

5 JKL 5 JKL : k

1 @. 1 @. : .

7 PQRS 7 PQRS 7 PQRS 7 PQRS 7 PQRS 7 PQRS 7 PQRS 7 PQRS : S (HINT: 7 PQRS : S)

COPY/SET

Registering Mail Setting

1


```
i-FAX SETTING ?
```

2 COPY/SET
2 times

```
CONNECTION ?
```

3

```
MAIL SETTING ?
```

4 COPY/SET

```
USER ID ?
```

5 COPY/SET

```
■
```

6 Enter POP User Name. (Max. 40 digits per entry using US-ASCII) (See page 74) (See note)

E. g. :JACK SMITH

```
JACK SMITH
```

7 COPY/SET

```
PASSWORD ?
```

8 COPY/SET

```
PASSWORD=■
```

9 Enter password. (Max. 20 digits per entry using US-ASCII) (See note)

E. g. :1234

```
PASSWORD=1234
```

10 COPY/SET

```
E-MAIL ADDRESS ?
```

11 COPY/SET

12 Enter your e-mail address. (Max. 60 digits per entry using US-ASCII) (See page 74) (See note)

E. g. :smith@japan.jp

```
smith@japan.jp
```

13 COPY/SET

```
SMTP SERVER ?
```

14 COPY/SET

```
■
```

15 Enter server name. (Max. 60 digits per entry using US-ASCII) (See page 74) (See note)

E. g. :japan.jp

```
japan.jp
```

16 COPY/SET

```
POP3 SERVER ?
```

17 COPY/SET

```
■
```

18 Enter POP3 server name. (Max. 60 digits per entry using US-ASCII) (See page 74) (See note)

E. g. :japan.jp

```
japan.jp
```

19 COPY/SET STOP

NOTE

1. *To correct entered data, move the cursor to required character and press [CLEAR]. Enter correct number or character.*
2. *To delete entered data, press [CLEAR] repeatedly until all characters are deleted.*

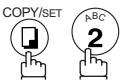
Programming Internet Parameters

E-mail addresses, once registered, will be stored in memory and can be viewed via [DIRECTORY SEARCH] button. [DIRECTORY SEARCH] can contain 120 registrations of telephone numbers or fax numbers and e-mail addresses in all.

Registering Directory Search

1


```
i-FAX SETTING ?
```

2 


```
DIRECT. SEARCH ?
```

3


```
NEW EMAIL ADD ?
```

4


```
    STATION NAME
```

5 Enter the name of person or company.

E. g. :JOHN WILLS

```
NAME:JOHN WILLS
```

6


```
  E-MAIL ADDRESS
```

7 Enter the e-mail address. (See page 74)

E. g. :john@tls.com.cn

```
john@tls.com.cn
```

8


```
NEW EMAIL ADD ?
```

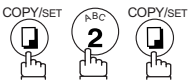
Enter new e-mail address and repeat from step 4, otherwise continue the step below.

9

Editing Directory Search

1


```
i-FAX SETTING ?
```

2 


```
NEW EMAIL ADD ?
```

3


```
CONFIRM ?
```

4


```
JOHN WILLS
```

5

Scroll down the station name and select the one you want to edit.

6


```
EDIT ?
```

7


```
NAME:JOHN WILLS
```

8 Enter correct station name. (See page 74)

E. g. :JOHN SMITH

```
NAME:JOHN SMITH
```

9

Edit the e-mail address.

E. g. :john@tls.com.au

```
john@tls.com.au
```

10


```
NEW EMAIL ADD ?
```

Repeat from step 3 if you want to edit another e-mail address.

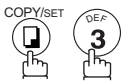
11

You can register up to 10 E-Mail addresses into ABBR E-Mail Address separately with ABBR dialling of telephone number or fax number.

Registering ABBR

1


```
i-FAX SETTING ?
```

2 


```
ABBR. ADDRESS ?
```

3


```
ABBR. NO.    = ■
```

4 Enter numeric number from 0 to 9.

```
    STATION NAME
```

5 Enter the name of person or company. (Max. 15 digits per entry using US-ASCII) (See page 74)

E. g. :MS JANE

```
NAME:MS JANE
```

6


```
  E-MAIL ADDRESS
```

7 Enter the e-mail address. (Max. 60 digits per entry using US-ASCII) (See page 74)

E. g. :jane@japan.com

```
jane@japan.com
```

8

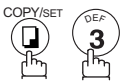
To add new entry, repeat from step 4, otherwise, continue the step below.

9

Editing ABBR

1


```
i-FAX SETTING ?
```

2 


```
ABBR. ADDRESS ?
```

3


```
ABBR. NO.    = ■
```

4 Enter numeric number from 0 to 9 to edit.

5 Enter correct station name. (Max. 15 digits per entry using US-ASCII) (See page 74)

E. g. :MR SMITH

```
NAME:MR SMITH
```

6


```
jane@japan.com
```

7 Enter correct address. (Max. 60 digits per entry using US-ASCII) (See page 74)

E. g. :smith@japan.com

```
smith@japan.com
```

8

To add new entry, repeat from step 4, otherwise, continue the step below.

9

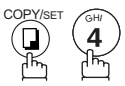
Programming Internet Parameters

You can register a Sender Name and a Subject of your E-mail in the apparatus. They will appear either on the screen or printout when the other party receives your E-mail (fax document).

Registering Sender Name and Subject

1


```
i-FAX SETTING ?
```

2 


```
USER INFO ?
```

3


```
SENDER NAME ?
```

4

and enter sender name. (See page 74) (See notes 1 and 2)

E. g. : Panasonic

```
Panasonic
```

5

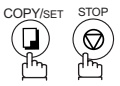

```
SUBJECT ?
```

6

Enter the title or subject of message. (See page 74)
(See notes 1 and 2)

E. g. :ACE Sales

```
ACE Sales
```

7 

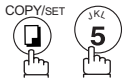
NOTE

1. *To correct entered data, move the cursor to required character and press [CLEAR]. Enter correct number or character.*
2. *To delete entered data, press [CLEAR] repeatedly until all characters are deleted.*

Receive Setting

1


```
i-FAX SETTING ?
```

2 


```
RCV SETTING ?
```

3


```
PRINT TEXT ?
```

4


```
                :OFF
```

5

```
                :ON
```

6


```
AUTO-POP DIAL ?
```

To set another parameter, repeat operation from step 4, or to return to standby, press [STOP].

RECEIVE SETTING

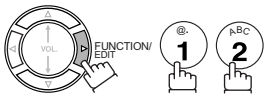
Selection	Setting	Description	Page
PRINT TEXT	ON	Select to print out e-mail text.	71
	OFF	Select not to print out e-mail text.	71
AUTO-POP DIAL	ON	Select to dial out automatically to ISP server to retrieve e-mails. (max. 10 times)	71
	OFF	Select not to dial out automatically to ISP server.	71
DEL POP ERR MSG (See note 1)	ON	Select to delete all e-mails and attached files from ISP server once the apparatus has received it.	72
	OFF	Select to keep all e-mails and attached files in ISP server when the apparatus had an error to receive it.	72
AUTO MAIL RCV	ON	Select to receive e-mails automatically after transmitted documents.	69, 70
	OFF	Select not to receive e-mails automatically after transmitted documents.	69, 70

NOTE

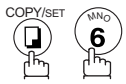
1. *After you changed setting of "DEL POP ERR MSG" from "OFF" to "ON", the apparatus may print out all e-mails kept in ISP server after it received.*

E-mail Address History

Registering E-mail Address

1 


```
i-FAX SETTING ?
```

2 


```
MAIL ADD. HIST ?
```

3


```
( 1)smith@panaso
```

4

Scroll down to the desired e-mail address.

5


```
REGISTER ?
```

6


```
    STATION NAME
```

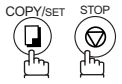
7 Enter station name for selected e-mail address. (Max. 15 digits per entry using US-ASCII)

E. g. :SMITH

```
NAME:SMITH
```

8

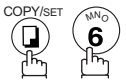

```
smith@panasonic
```

9 

Deleting E-mail Address

1


```
i-FAX SETTING ?
```

2 

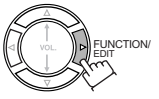

```
MAIL ADD. HIST ?
```

3


```
( 1)smith@panaso
```

4

Scroll down to the desired e-mail address.

5 

6

Scroll down to select function.

```
DELETE ?
```

7


```
START TO DELETE
```

8


```
DELETED
```

9

Programming Your Apparatus

Your facsimile apparatus has a variety of adjustable Fax Parameter Settings. These parameter settings, listed in the Parameter Table (See pages 82 to 84), are preset for you and do not need to be changed. If you want to make a change, read the table carefully. Some parameters, such as the Resolution, can be temporarily changed by a simple key operation just before a transmission is made. When the transmission ends however, these parameters return to their preset values (Home position). Parameters can be changed by the procedure described below.

Setting Fax Parameters

1

or

or

```
BASIC SETTING ?
```

or

```
FAX SETTING ?
```

or

```
TAM SETTING ?
```

2


```
DATE & TIME ?
```

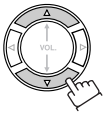
3 repeatedly until your request is displayed.

```
SILENT RCV ?
```

E. g. : Choose "SILENT RCV" in the BASIC SETTING.

4


```
:OFF
```

5  "ON" or "OFF" is available to select.

```
:ON
```

6

To set another parameter, repeat operation from step 3, or to return to standby, press [STOP].

```
RING COUNTER ?
```

NOTE

1. *To print a Fax Parameter List, see page 85.*

■ Fax Parameter Table

Underlined selections in the Selection column are factory settings.

BASIC SETTING

No.	Parameter	Selection	Description	Page
01	DATE & TIME	--	Set the current Date & Time.	18
02	SETTING NAME (NAME)	--	Set your name or company name.	19
03	FAX TEL NO. (TEL NO.)	--	Set your fax telephone number or ID number.	21
04	RCV MODE (IN)	MANUAL RCV FAX/TEL	Set the Telephone mode or Fax/Tel Auto Switching mode.	41
05	RCV MODE (OUT)	FAX FAX/TAM	Set the Fax mode or FAX/TAM mode.	44
06	SILENT RCV	ON / OFF	Select whether or not the apparatus will receive documents without ringing.	42
07	RING COUNTER	1 - 9	Set the number of initial rings before the apparatus answers. This function will not be valid unless the "SILENT RCV" is set to "OFF".	43
08	F/T RING CNT (F/T RING COUNTER)	3, 6, 9, 12	Set the number or rings that the apparatus will alert the caller when set to the Fax/Tel Auto Switching mode.	43
09	KEY VOLUME	OFF / SOFT / LOUD	Select the volume of the button tone.	--
10	DAYLIGHT TIME (See note 1)	ON / OFF	Select whether or not the apparatus adjusts the built-in clock for Daylight Savings Time automatically. The built-in clock will advance 1 hour at 2:00 am on the third Sunday in March and fall back 1 hour at 2:00 am on the first Sunday in October.	--
12	HOLD MUSIC	ON / OFF	Select whether or not the apparatus will play Hold Music while the line is being put on hold.	--
13	DRD (Distinctive Ring Detector) (See note 2)	ON / OFF	Select whether or not the apparatus checks for a distinctive ring pattern.	46
14	CALLER ID (See note 3)	ON / OFF	Select whether or not the apparatus displays Caller ID.	60
15	BLACK LIST REG. (See note 3)	--	Register the telephone number to be listed in the Black List.	63
16	CALLER TYPE (See note 3)	Select "TEL" or "FAX" for registered stations.	Select "TEL" (Telephone call) or "FAX" (Fax call) for each registered station to identify incoming call.	66
17	TEL LINE TYPE (See note 4)	PBX / PSTN	Selecting the type of line connected.	--
19	DIALLING METHOD (See note 4)	TONE PULSE 10PPS	Selecting the dialling mode	11

NOTE

1. *This parameter supports an optional telephone service "DAYLIGHT TIME" provided in New Zealand.*
2. *This parameter supports an optional telephone service "Distinctive Ring Service" provided in Hong Kong, Singapore and New Zealand only.*
3. *This parameter supports an optional telephone service "Caller ID" provided in New Zealand, Hong Kong and Singapore.*
4. *The contents of Fax Parameter may differ depending on each country's regulation or specification.*
5. *Factory setting may differ depending on each country's regulation or specification.*
6. *Depending on the PBX conditions when the fax apparatus is called, the number of rings can differ from the setting.*

TAM SETTING

No.	Parameter	Selection	Description	Page
01	REMOTE PASSWORD	(- - - -)	Set a 4-digit password for Remote Control operation.	59
02	ICM TRANSFER (MESSAGE TRANSFER)	ON / OFF	Select whether or not the apparatus calls the pre-programmed location after an incoming voice message is recorded in the built-in TAM.	57
03	ICM REC. TIME (MESSAGE RECORDING TIME)	30, 60, 90, 180 (sec.)	Set the recording time for each incoming message.	44
04	IN/OUT RMT SET (IN/OUT REMOTE SET)	ON / OFF	Select whether or not the apparatus accepts the IN/OUT mode to be changed using the Remote Control operation.	58
05	CALL SCREENING	ON / OFF	Select whether or not you can monitor the incoming call through the speaker while it is being recorded and answer it if you wish by simply lifting up the handset.	--

NOTE

1. *The contents of Fax Parameter may differ depending on each country's regulation or specification.*
2. *Factory setting may differ depending on each country's regulation or specification.*

FAX SETTING

No.	Parameter	Selection	Description	Page
01	MEMORY TX	ON / OFF	Select whether or not the apparatus stores the documents first and transmits them from document memory.	--
02	SILENT DETECT (SILENT DETECTION)	ON / OFF	Select Silent Detection in Fax/TAM mode.	--
03	RESOLUTION (RESOLUTION HOME POSITION)	STANDARD FINE S-FINE HALFTONE	Select required home position for your document.	35
04	CONTRAST (CONTRAST HOME POSITION)	NORMAL DARKER LIGHTER	Set the home position of [CONTRAST] button on the panel.	35
05	ECO INK RCV	ON / OFF	Set to save ink for printing.	--
06	REDUCTION RCV	ON / OFF	Select whether or not the apparatus reduce received document to 93% reduction.	--
07	OUT OF INK MARK	ON / OFF	Select whether or not the appartus prints ink mark on the document. If it is set to "OFF", the apparatus cannot detect the print quality. It may print a blank page even though there is enough ink in the Ink Cartridge.	--
08	COMM. JOURNAL	INC OFF ALWAYS	Select the print condition for the COMM. Journal. • INC: Print only when the transmission has failed. • OFF: Do not print. • ALWAYS: Print after each transmission.	85
09	PRINT JOURNAL	AUTOMATIC MANUAL	Select whether or not the apparatus prints the journal automatically after each 32 transactions.	85
11	DIRECT RCV	ON / OFF	Select whether or not the apparatus receives document directly, not stored it into memory.	--
13	FRIENDLY RCV	ON / OFF	Select whether or not the apparatus continues to monitor a fax signal when a call is answered using the fax handset.	40
14	REMOTE RCV	ON / OFF	Select whether the apparatus accepts the remote reception command to switch into fax reception mode.	55
15	OVERSEAS COMM.	ON / OFF	Select whether or not the apparatus uses the overseas setting to improve communications.	--
16	DIAGNOSTIC	ON / OFF	Select whether or not the apparatus accepts remote service diagnostic from the service centre. Please ask your Panasonic Authorised Dealer for details.	--

NOTE

1. *The contents of Fax Parameter may differ depending on each country's regulation or specification.*
2. *Factory setting may differ depending on each country's regulation or specification.*

Lists and Journal

Journal and Lists

To help you maintain records of Lists and Journal, this facsimile apparatus is equipped to print the following Lists and Journal.

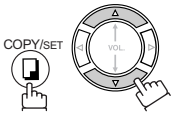
The “Journal” is a record of the last 32 transactions (a transaction is recorded each time you send or receive a document). It is printed out automatically after every 32 transactions, and also can be printed manually by the following procedure:

■ To print a List:

1

```
LIST PRINT ?
```

2



for Transaction Journal or
for Fax Parameter List or
for Speed Dialling Number List or
for Caller ID List or (See note 1)
for Blacklist or (See note 1)
for i-Fax Parameter List or
for E-Mail Address List

3

```
* PRINTING *
```

Communication Journal (COMM. JOURNAL)

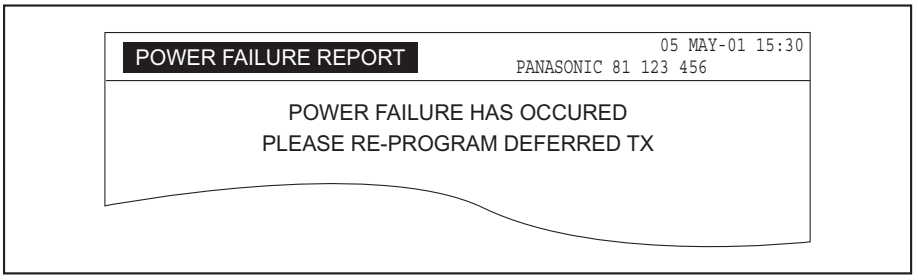
The Communication Journal (COMM. JOURNAL) allows you to verify whether the transmission was successful. You may select the print status (Off/Always/Inc.) in the FAX SETTING ("COMM. JOURNAL"). (See pages 81 and 84)

Power Failure Report

Power Failure Report

If a power failure occurs, this apparatus will not function. If fax documents are stored in memory, they will be lost. When power is restored, a power failure report will be printed out stating which files in memory have been erased.

Sample Power Failure Report



NOTE

1. *Blacklist and Caller ID List are printed depending on countries.*
2. *MEMORY COMM. JOURNAL will be printed if it is a multi-station transmission and deferred transmission.*

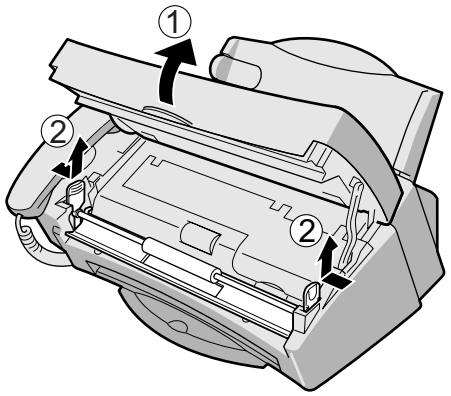
Maintenance

Cleaning the Document Scanning Area

If the receiving party reports that the received documents were black or contained black lines, try to make a copy on your apparatus to verify. If the copy is black or has black lines, the document scanning area is probably dirty and must be cleaned.

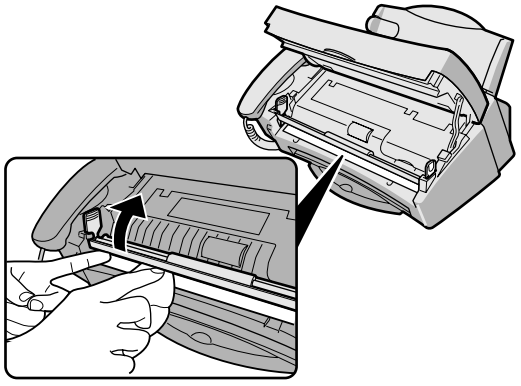
■ To clean the scanning area

1



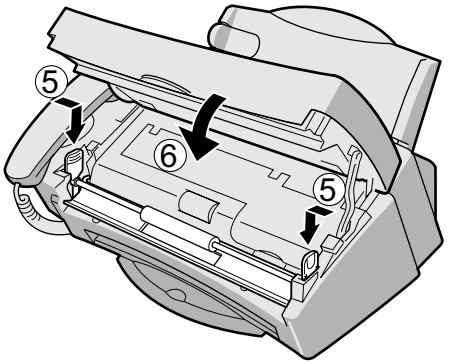
1. Open the Panel Cover until it is secured.
2. Press the tabs on each side of the Feed Roller inwards and lift it up.

2



3. Open the white plastic protector and hold it.
4. Wipe the Scanning Area gently with a soft cloth. Be sure to use a clean cloth as the Scanning Area is easily scratched.

3

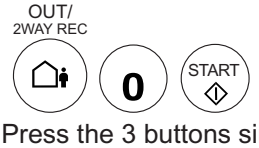


5. Press the tabs on each side of the Feed Roller and hold it down until it is secured.
6. Close the Panel Cover.

Troubleshooting

If You Have Any of These Problems

SYMPTOMS		CAUSE/ACTION	Page
Making a call	No dial tone.	• Check the telephone line. • Check the connection of power supply plug. • Check the telephone cable provided.	12, 97
Ringing tone	No ringing tone.	• Check the telephone line. • Check the volume of the ringing tone. • Check if the telephone number of the caller is registered in the blacklist.	12, 17, 63, 97
Telephone Answering Machine	Cannot activate "OUT" mode.	• Check if memory is full. • Delete messages. • Print out documents.	49
	Switch to reception mode during message recording.	• Make sure that silence during recording is not prolonged more than the 6-sec. limit. • The voice of the caller is too soft and detected as no sound.	--
	Voice messages received without talking.	Caller hangs up the phone without talking.	--
Transmitting	Transmission stops.	Check if the telephone line cord is disconnected.	--
	Cannot transmit overseas.	Check the telephone line cord. • Try transmission by adding "-". • Set "OVERSEAS COMM." to "ON".	--
	Cannot print at receiving end.	Check if the documents are placed correctly for transmission.	--
	Alarm is heard after transmission.	• No recording paper at receiving end. • Press [STOP] button.	--

SYMPTOMS		CAUSE/ACTION	Page
Receiving	No reception with ringing.	• Check if the reception mode is set at "MANUAL RCV". • Check if recording paper is run out and memory is full. • Install recording paper. • Delete messages. • Print out documents.	--
	A black square mark appears on the top right corner of the recorded paper.	• It is printed for checking the print quality. • You can change to not print it by the setting of #07 in the FAX SETTING.	84
	Blank paper	Remove the tape on the Ink Cartridge when you replace the Ink Cartridge with a new one.	--
Recording paper	Cannot be printed.	Check if the paper is recommended for use.	--
Printing	Faint	• Check if the paper is recommended for use. • Check if the Ink Cartridge is recommended for use. • Check if the documents are written faintly. • Check with the transceiver. • Ensure documents are distinctly written. • Adjust "Scanning Contrast".	--
	Delay in printing.	Trouble in faxing or telephone line is not working.	--
Malfunction	The apparatus does not operate at all.	• When you encounter malfunctioning, please disconnect the power supply plug and connect it once again. • The operation should be normalised. • However, should the malfunctioning persist, please follow the procedure below (it initialises the operation).  Press the 3 buttons simultaneously.	--

Information Codes

When something unusual occurs, the display may show one of the Information Codes below. These will help you identify and correct the problem.

Info. Code	Meaning	Action	Page
001/002 003/004	Recording paper jam.	• Remove jammed paper. • Press [STOP] to clear the alarm.	93
010	No recording paper or paper misfed.	• Load the paper. • Press [STOP] to clear the alarm.	16
014	Ink Cartridge is not installed.	Install the Ink Cartridge.	13
015	Out of ink.	Replace the Ink Cartridge.	15
016	Ink Cartridge Cradle cannot move.	• Paper jam may have occurred. • Remove jammed paper. • Ink Cartridge has not been properly installed. • Re-install Ink Cartridge.	93
030	Document misfeeding.	• Reload the document properly. • Remove document jam.	35, 96
031	Document misfeeding. Document is jammed. Document length exceeds 1 meter.	• Reload the document properly. • Remove document jam. • Make a copy to fit in correct size.	34, 35, 96
032	Document length is too short.	Make a copy to fit in correct size.	34
060	Panel Cover is open.	Close the Panel Cover.	--
300 - 316	Printer engine failure.	Contact your local Panasonic Dealer for service.	--

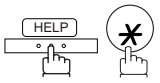
Info. Code	Meaning	Action	Page
400	During initial handshake, receiving station did not respond or communication error occurred.	• Check with the other party. • Reload the document and send again.	--
401	Remote station required a Receiving Password to receive the document.	Check the remote station.	--
404/405	During initial handshake, communication error occurred.	Reload the document and send again.	--
407	No confirmation from the receiving station for the previous page sent.	Wait a few minutes and send again.	--
408/409	Remote side confirmation of previous page sent.	Wait a few minutes and send again.	--
412	No data from the transmitting side.	Check with the other party.	--
416/417 418/419	Received data has too many errors.	Check with the other party.	--
420/421	Apparatus goes to receiving mode, but receives no command from the transmitting side.	• Remote side misdial. • Check with the other party.	--
428	During initial handshake, received the disconnect command from the transmitting side.	Check with the other party.	--
430/434	Communication error occurred while receiving.	Check with the other party.	--
436/490	Received data has too many errors.	Check with the other party.	--
450	Telephone line is disconnected.	Wait a few minutes and send again.	--
492/493 494	Communication error occured while receiving.	Check with the other aprty.	--

Info. Code	Meaning	Action	Page
495	Telephone line disconnected.	Check with the other party.	--
540/541 542 543/544	Communication error occurred while transmitting.	• Reload the document and send again. • Check with the other party.	--
550	Telelphone line is disconnected.	Check with the other party.	--
552/553 554	Communication error occurred while receiving.	Check with the other party.	--
623	No document was on the ADF.	Reload the document and send again.	--
630/633	Redial was not successful due to a busy line or no response from the called station.	Reload the document and send again.	--
712	Incorrect destination e-mail address.	Check the registered e-mail address.	--
716	Cannot logon to the designated DNS Server, SMTP Server or POP Server.	• Check the DNS Server IP Address. • Check the SMTP Server Name. • Check the POP Server Name.	--
717	Incomplete SMTP protocol transmission. SMTP Server's hard disk may be full.	• Check the SMTP Server Name. • SMTP Server is defective.	--
719	Received data via Internet is in a format that is not supported.	Ask the originator to re-send with supported file attachment format: In a TIFF format.	--
720	Cannot connect to the POP Server. POP server is down.	• Check the POP Server Name. • Contact with your ISP company.	--
721	Cannot connect to the POP Server. (User Name or Password error)	Check the POP User Name and Password.	--

Info. Code	Meaning	Action	Page
725	DNS Server connection timed out. DNS Server is down.	Check the DNS Server IP Address.	--
726	Received an error response from the DNS Server.	• Check the POP Server Name. • Check the SMTP Server Name. • Check the DNS Server IP Address.	--
770-772 782	Connection error	• Check the ISP TEL No. • Try to connect again. • Connect with your ISP company to compare modem capability.	--
780/781 784-787	Poor quality of telephone line.	Try to connect again.	--
795	Certification error for connection.	• Check the connection, User ID and Password. • Check the ISP TEL No.	--
796	Connection error.	• Try to connect again. • Change ISP	--
870	Memory overflow occurred while storing documents into memory for transmission or reception.	• Transmit documents without storing into memory. • Print out received document. • Erase incoming message after played back.	--

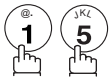
At 12 p.m. every day, the roller will rotate to make smooth contact between the Roller and the Scanning Glass. So, this is not an apparatus fault even if a rotating sound is heard.

If you wish to change the roller rotation time, follow the operation described below.

1 

(See note 1)

TIME = 12:00

2 

(See note 2)

TIME = 15:00

3

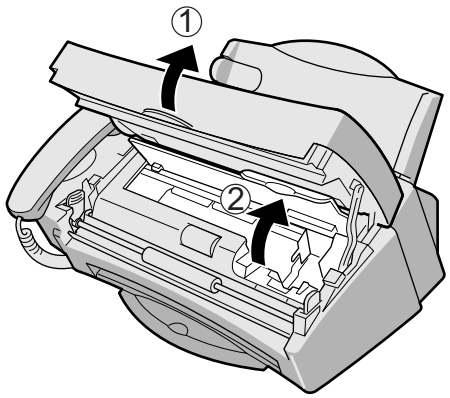
NOTE

1. *It is also possible to change the time in an Off-Hook state. In this case, reject tone "Pi Pi Pi" will be heard when [HELP] is pressed.*
2. *It is not possible to set the minute setting.*

Clearing Recording Paper Jam

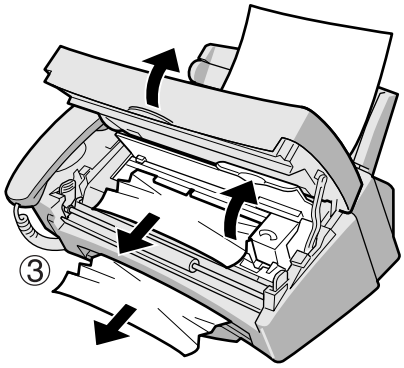
If the recording paper becomes jammed in the apparatus, the ALARM lamp will light up and the alarm will sound.

1



1. Open the Panel Cover.
2. Lift up the Cartridge Cover from the right corner.

2

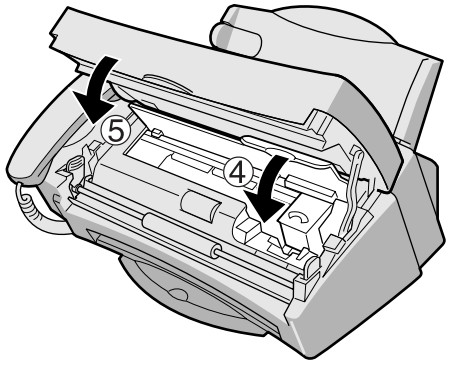


3. Remove jammed paper.

⚠ CAUTION

While removing the jammed paper, do take care not to touch the cable that is attached to the cartridge holder.

3



4. Close the Cartridge Cover.
5. Close the Panel Cover.

Cleaning the Print Head

If the printed document has dots or lines missing, check the Ink Cartridge.

■ **To clean the Print Head**

1

CLEAN CARTRIDGE?

2

* CLEANING *

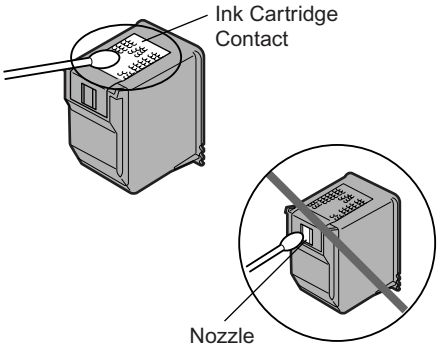
The apparatus starts to clean the Print Head.

Cleaning the Ink Cartridge Contact

If the received document has dots or lines missing, check the Ink Cartridge.

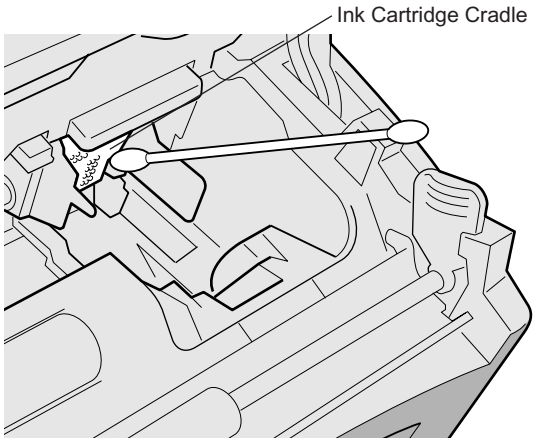
■ **To clean the Ink Cartridge.**

1



1. Open the Panel Cover.
2. Open the Cartridge Cover.
3. Remove the Ink Cartridge from the Ink Cartridge Cradle. Clean the Ink Cartridge with a swab moistened only with water.

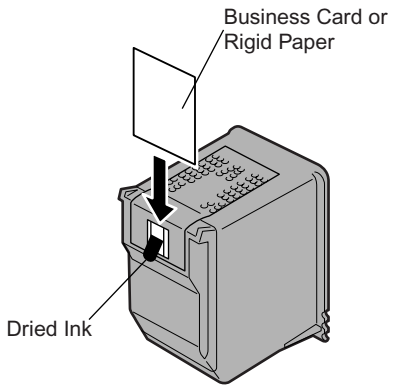
   DO NOT clean the "Nozzle" of the Ink Cartridge.



4. Gently clean the contact on the Ink Cartridge Cradle with a swab moistened only with water.
5. Re-install the Ink Cartridge and re-evaluate the print quality.

Removing Dried Ink from the Nozzle of the Ink Cartridge

If the Ink Cartridge is exposed to air for an extended period of time, a layer of dried ink will form as crust on the nozzle of the Ink Cartridge. If this occurs, follow the steps below to remove the dried ink from the nozzle of the Ink Cartridge.



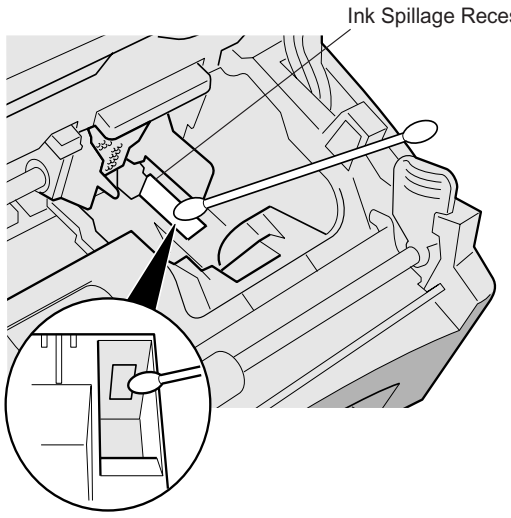
1. Hold the Ink Cartridge over a waste bag so that the nozzle of the Ink Cartridge is pointed toward the waste bag.
2. Gently scrape the dried ink with the edge of a business card or other rigid paper stock so that the dried ink falls into the waste bag.

DO NOT use a swab to remove dried ink from the Ink Cartridge.

Cleaning the Ink Spillage Recess

To prevent spillage, always clean the Ink Spillage Recess of excess ink before moving the apparatus.

■ **To clean the Ink Spillage Recess**



1. Open the Panel Cover.
2. Open the Cartridge Cover.
3. Remove the Ink Cartridge.
4. Inspect the Ink Spillage Recess for excess ink. If necessary, clean up the excess ink with a swab or a paper towel.

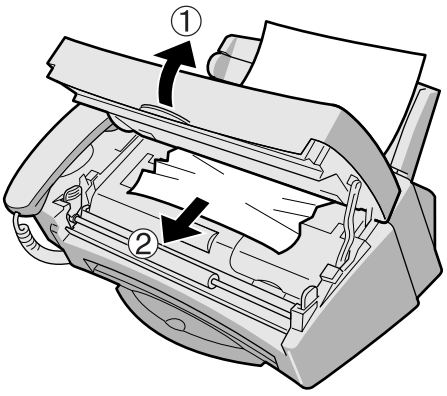
NOTE

1. It is recommended to make a copy on the apparatus at least once a week to prevent ink from drying on the nozzle of the Ink Cartridge.

Clearing a Document Jam

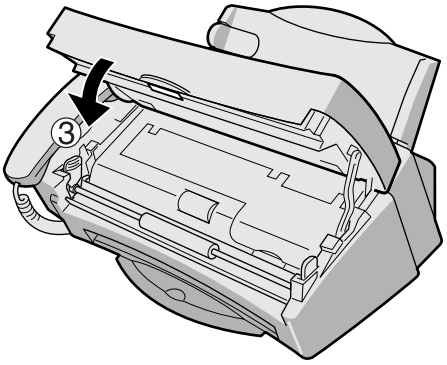
If the document gets jammed in the apparatus, the ALARM lamp will light up and the alarm will sound.

1



1. Open the Panel Cover.
2. Remove jammed paper.

2

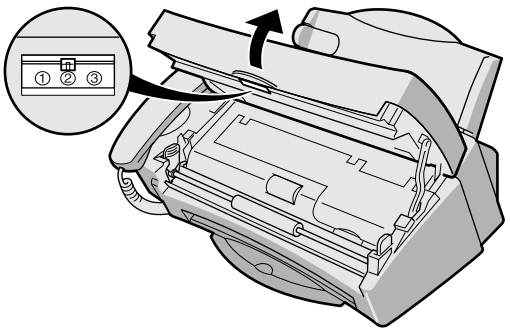


3. Close the Panel Cover.

Adjusting the Automatic Document Feeder (ADF)

If document misfeeding occurs frequently, we suggest you adjust the ADF.

■ To adjust ADF



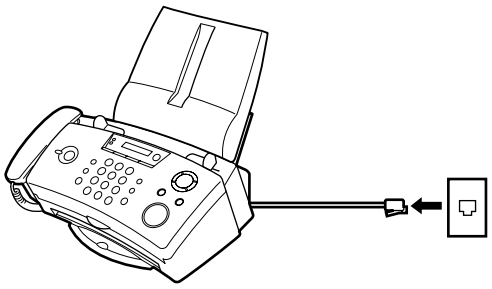
Open the ADF Door and slide the Pressure Adjusting Lever to the desired position depending on the condition.

Position	Condition
1	To prevent feed trouble
2	Standard position
3	To prevent multiple feed trouble

Checking the Telephone Line

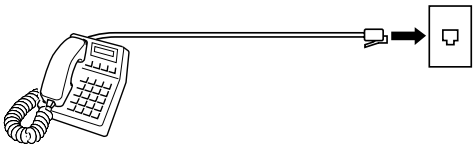
When you do not hear a dial tone through the telephone connected to the apparatus or when the telephone does not ring (Not automatic reception).

1



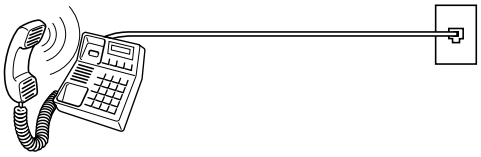
Unplug the Telephone Line Cord from the telephone jack that was supplied by the telephone company.

2



Plug a different regular telephone into the same telephone jack.

3



Check for dial tone through the handset. If there is still no dial tone, report it to your local telephone company.
or
Call from another telephone to this number. If the telephone does not ring, report it to your local telephone company.

Specifications

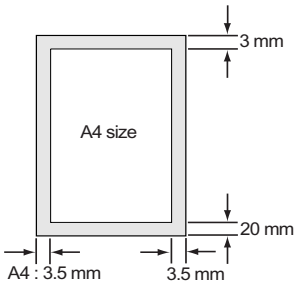
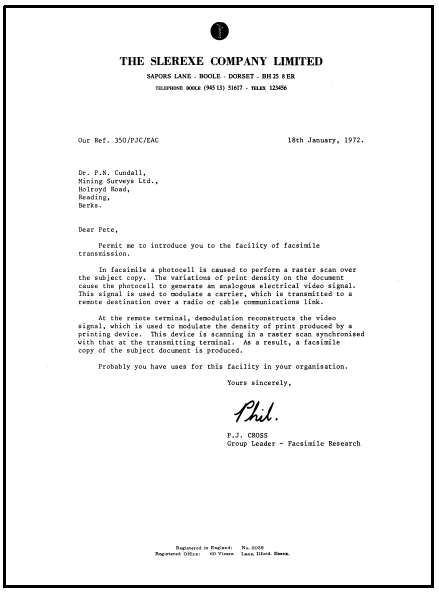
Compatibility	ITU-T Group 3
Scanning Method	CIS type image sensor
Document Size	Max.: 210 mm x 297 mm Min.: 148 mm x 105 mm
Document Thickness	Single sheet : 0.06 mm (45 g/m^2) to 0.15 mm (112 g/m^2) Multiple sheets : 0.06 mm (45 g/m^2) to 0.10 mm (80 g/m^2)
ADF Capacity (Automatic Document Feeder)	Built-in, up to 20 sheets
Effective Scanning Width	205 mm
Recording Method	Thermal Inkjet
Recording Paper	Plain paper
Recording Paper Size	A4
Printer Speed	Monochrome: 3.5 ppm (Based on ITU-T Image No.1)
Effective Recording Size	A4 : 203 mm x 274 mm
Print Margin	
Resolution (Conforms to ITU-T)	Horizontal : 8 pels/mm Vertical : Standard : 3.85 lines/mm Fine : 7.7 lines/mm Super Fine : 15.4 lines/mm
(FAX)	
Coding Scheme	MH, MR (Conforms to ITU-T)
Modem Type	ITU-T V.34, V.29, V.27 ter, V.21 and V.17
Modem Speed	33600, 31200, 28800, 26400, 24000, 21600, 19200, 16800, 14400, 12000, 9600, 7200, 4800, 2400 and 300 bps
(DATA)	
Coding Scheme	None
Modem Type	ITU-T V.34, V.32bis, V.32, V.22bis, V.22
Modem Speed	33600, 31200, 28800, 26400, 24000, 21600, 19200, 16800, 14400, 12000, 9600, 7200, 4800, 2400, and 1200 bps
Error Correction	ITU-T V.42
Internet FAX Protocol	TCP/IP, PPP, SMTP, POP3
Abbreviated Dialling Memory Capacity	10 stations Each station can be registered with up to 36 digits for each telephone number (including pauses and spaces) and up to 15 characters for each station name.

Image Memory Capacity	Approx. 60 pages or 15 min. (Based on ITU-T Test Chart No.1 using Standard Resolution)
Power Supply	200 - 240 VAC, 50 - 60 Hz, Single Phase
Power Consumption	Standby : Approx. 1.4 W Transmission : Approx. 13 W Reception : Approx. 8 W Copy : Approx. 13 W Max. : Approx. 30 W
Dimensions	386 mm (W) x 290 mm (D) x 211 mm (H) (excluding projections)
Weight	Approx. 4.3 kg (excluding recording paper)
Operating Environment	Tx: Temperature : 5 to 35°C Relative Humidity : 15 to 70% Rx: Temperature : 15 to 35°C Relative Humidity : 20 to 80%
Atmospheric Pressure	2500 m
Cartridge Specification	940 pages (Mono, ECO Mode), 470 pages (Mono, Normal Mode) 340 pages (Colour, ECO Mode), 170 pages (Colour, Normal Mode)
ITU-T Image No.1	

THE SLEREXE COMPANY LIMITED

SAPORS LANE · BOOLE · DORSET · BH25 8ER

TELEPHONE BOOLE (945 13) 51617 · TELEX 123456

Our Ref. 350/PJC/EAC 18th January, 1972.

Dr. P.N. Cundall,
Mining Surveys Ltd.,
Holroyd Road,
Reading,
Berks.

Dear Pete,

Permit me to introduce you to the facility of facsimile transmission.

In facsimile a photocell is caused to perform a raster scan over the subject copy. The variations of print density on the document cause the photocell to generate an analogous electrical video signal. This signal is used to modulate a carrier, which is transmitted to a remote destination over a radio or cable communications link.

At the remote terminal, demodulation reconstructs the video signal, which is used to modulate the density of print produced by a printing device. This device is scanning in a raster scan synchronised with that at the transmitting terminal. As a result, a facsimile copy of the subject document is produced.

Probably you have uses for this facility in your organisation.

Yours sincerely,

Phil.

P.J. CROSS
Group Leader - Facsimile Research

Registered in England. No. 8508
Registered Office: 60 Victoria Lane, Hford. Essex.

Paper Specifications

In general, most plain bond papers will produce excellent results. Most photocopy papers will also work very well. There are many "name" and "generic" brands of paper available. Before purchasing large quantity, we recommend that you test various samples until you obtain the results you are looking for.

The following table summarizes the major specifications to consider when selecting white or coloured paper.

Paper Type	Size	Weight	Paper Tray Capacity	Note
Plain Bond Paper/ Recycle Paper	Letter, A4	64 to 90 g/m^2	70 sheets	Max. 100 sheets under condition of 20 to 30°C, 50 to 60% RH, 70 to 75 g/m^2
Coated Paper	Letter, A4	64 to 90 g/m^2	70 sheets	Formulated for ink jet printing.
Transparency	Letter, A4	--	10 sheets	Thickness : 0.0039 to 0.0051 in. (0.10 to 0.13 mm) Formulated for ink jet printing

NOTE

1. *It is possible that the paper meets the specifications listed above and still does not print well because of the variations in the manufacturing. Therefore, we recommend that you test thoroughly before purchasing large quantity.*
2. *Poor quality paper may reduce print quality and cause paper jams and other problems. If you encounter such problems, switch to a higher grade of paper.*

Glossary

ABBR. No. (Abbreviated Number)	The ability to store full telephone numbers into the dialler and then utilise a short series of keystrokes to speed-dial that number in the future.
ADF (Automatic Document Feeder)	The mechanism that delivers a stack of document pages to the scanner one page at a time.
Automatic Reception	The mode that allows you to receive fax documents without user intervention.
BPS (Bits Per Second)	The amount of data that is transmitted over the telephone line. Your apparatus can start at 9600 BPS and automatically steps down to 7200, 4800, 2400 BPS depending on the telephone line condition and the receiving apparatus capabilities.
Character ID	A programmed proprietary code name that allows up to 16 alphanumeric characters identifying your facsimile apparatus.
Character buttons	The buttons that are used to enter letters and symbols for various programming functions.
Coding Scheme	The data compression method used by facsimile apparatus. Your apparatus utilises Modified Huffman (MH) coding schemes.
CONTRAST	Signifies the scanning sensitivity in terms of lightness and darkness of your original transmitting pages.
COMM. JOURNAL	Refers to the Communication Journal.
Deferred Transmission	The ability to send documents to other stations/destinations at a later time.
Dial Keypad	Used for registering telephone numbers and entering characters for station name. Used to activate ICMs (incoming message) functions.
Direct Dialling	The method of dialling where you enter the entire telephone number through the keypad.
Domain Name	A unique name that identifies an Internet site. Domain Names always have 2 or more parts, separated by dots. The part on the left is the most specific, and the part on the right is the most general.
DNS (Domain Name Server)	The purpose of the DNS is to store records containing domain information, such as Fully Qualified Domain Names (FQDN) and translate them to TCP/IP addresses.
DTMF (Dual Tone Multi-Frequency)	Dialling method that sends a different set of frequencies for each digit of the telephone keypad. Commonly refers to touch tone dialling.
E-mail Address	The address for sending and receiving data by e-mail. It consists of User name, Sub-domain name and Domain name.
Fax Parameter List	The list that contains the home Fax Parameters setting that you have programmed into your apparatus.
Fax/Tel Auto Switch	This feature allows you to use a single telephone line for both fax and voice so that you can save the cost of installing a second telephone line. When the apparatus answers an incoming call, it will automatically distinguish whether the caller is a fax or voice. If it is a fax call, the apparatus will start receiving the document automatically. If it is a voice call, the apparatus will ring through the built-in speaker for your attention.
FUNCTION/EDIT	The control panel button that will be utilised to begin an operation or configuration of a feature.
G3 Mode (Group 3)	Refers to the standards and transmission capabilities of the current generation of facsimile apparatus.

Glossary

Halftone	A scanning technique to distinguish levels of grey from black and white. Your apparatus can detect up to 64 levels of grey in halftone mode.
Header	A row of information that is transmitted by the sending apparatus and printed on the top of each page by the receiving apparatus. This identifies the transmitting apparatus and information about the transmission, such as time and date.
Header Print	The header will appear at the top of each page received and show the sender's ID, date and time, and page number.
Help Function	When operation guidance is needed, detailed operating instructions can be printed by pressing the [HELP] button.
ID	A programmable address of up to 20 digits identifying your apparatus.
ISP (Internet Service Provider)	An institution that provides access to the Internet in some form, usually for money.
IP Address	A unique number used to identify equipment or host computers on the Internet.
Information Code	A code that is internally generated by your Fax, stating a specific operational error, apparatus failure or telephone line failure.
ITU-T	International Telecommunication Union - Telecommunication. This organisation has presently developed 4 groups of industry standards that insure facsimile compatibility.
ITU-T Test Chart No.1	An industry standard document that allows comparisons of the transmission speeds and capabilities of facsimile apparatus.
Journal	A report that is printed by your apparatus listing the last 32 transmitting and receiving transactions.
LCD	Liquid Crystal Display. The display area of your apparatus.
Line Holding	You can hold the line by pressing the [HOLD] button on your control panel. While the line is on hold, the other party will hear hold music. To resume conversation, lift up the handset.
Manual Reception	A mode that requires operator intervention to receive an incoming document.
Modem	A device that converts signals from your fax apparatus into signals that can be transmitted over telephone lines.
NAME	Your programmed company name or your name up to 25 alphanumeric characters.
Off-hook dialling	The direct dialling of a telephone number with the handset out of the cradle or "off the hook".
On-hook dialling	The direct dialling of a telephone number with the handset in the cradle or "on the hook".
PSTN	Public Switched Telephone Network. Network of interconnected switching equipment and transmission facilities.
POP (Post Office Protocol)	POP refers to the way e-mail software such as Eudora gets e-mail from a mail server. You must always have a POP account that you tell your e-mail software to use to retrieve your mail.
PPP (Point to Point Protocol)	This is the main protocol used for the dial-up communication to connect personal computer with another personal computer through telephone network.

Remote Reception	A function that allows you to activate your fax apparatus to receive from an extension telephone. You may transfer an incoming call to your fax apparatus from an extension telephone by pressing the [*] button twice on a touch tone telephone, or dial "99" on a rotary telephone.
Resolution	Relates to the number of dots scanned or printed per certain square. The quality of the image increases as the number of dots per certain square increases.
Super Fine Resolution	Super Fine Resolution which is twice as precise as Fine resolution will offer the reproduction of document with high copy quality.
SMTP (Simple Mail Transfer Protocol)	This is the main communication protocol used to send and receive e-mail on the Internet.
TAM	A Telephone Answering Machine (TAM) which allows the caller to leave a message.
TIFF Converter	The TIFF Converter converts the document into the format that allows the Internet FAX to receive and print as a mail. The converter also allows the document to be registered (called "TIFF file creation" function) as a file.
TIFF Image Viewer	An application software to view the contents of TIFF-F File. Some TIFF Image Viewers may not display the data properly.
TIFF-F (Tagged Image File Format)	An image file format for attachments of graphic data for smooth transmission between different units. The coding method of this format supports the same coding as Modified Huffman (MH) and multiple-page image data.

Index

A

Abbreviated Dialling 32
Adjusting the Automatic Document Feeder (ADF) 96
Adjusting Volume 17

B

Blacklist 63

C

Character Table 20
Cleaning the Document Scanning Area 86
Cleaning the Ink Spillage Recess 95
Cleaning the Ink Cartridge Contact 94
Clearing a Document Jam 96
Clearing Recording Paper Jam 93
Communication Journal (COMM. JOURNAL) 85
CONTRAST 35
Control Panel 11

D

Deferred Transmission 53
Digital Telephone Answering System 48
Distinctive Ring Detector (DRD) 46
Document Misfeeding 96

E

Enlargement Copy 51

F

FAX Mode 44
Fax Parameter Table 82
FAX/TAM Mode 44
FAX/TEL Auto Switching Mode 41

I

Information Codes 89
Installing the Ink Cartridge 13
Installing/Replacing Recording Paper 16

M

Making Copies 50
MANUAL RCV mode 40
Memo/2Way Recording 56
Multi-station Transmission 37

P

Printer Interface Cable 12
Printing Help 2

R

Remote Function 58
Remote Function Table 58
Remote Reception 55
Removing Dried Ink from the Nozzle of the Ink Cartridge 95
Replacing the Ink Cartridge 15
RESOLUTION and HALFTONE 35

S

Setting Fax Parameters 81
Setting the Date and Time 18
Setting Your ID Number 21
Setting Your NAME 19
Speed Dialling Numbers 27

T

Telephone Line Cord 12
To Playback 23, 25
To Print a List 85
To Record 22, 24
Troubleshooting 87

V

Voice Message Transfer 57

Matsushita Electric Industrial Co., Ltd.
Web Site : http://www.panasonic.co.jp/global/

©2001
Printed in Singapore

DZSD001253-2
T01012-2071